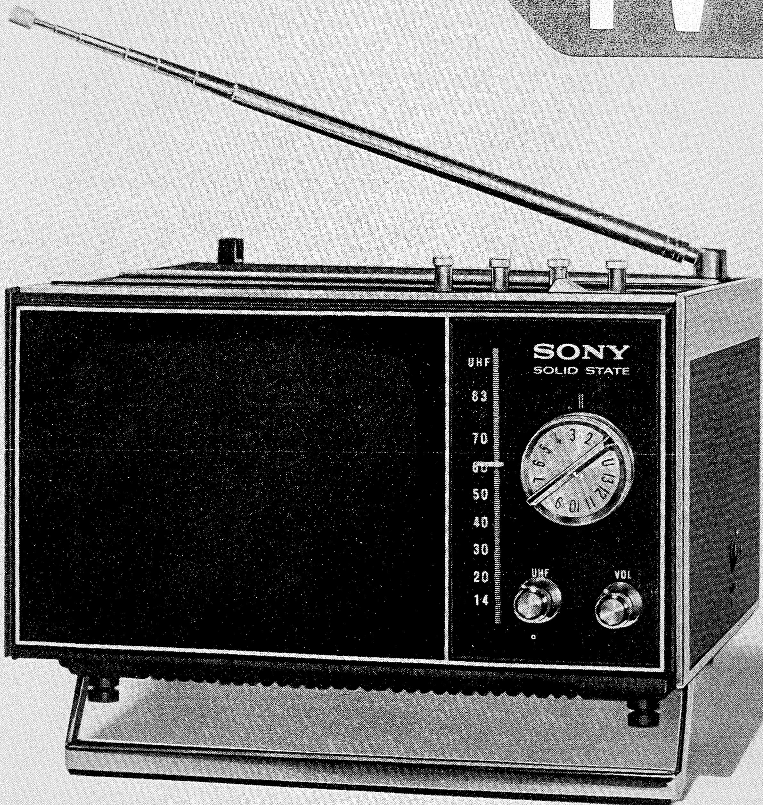
TV-500U



Specifications

Picture Tube:	5″, 70° Deflection, Aluminized Screen Direct Heating Cathode
Transistor:	22 (9 Silicon 13 Germanium)
Diode:	16 (including 4 Selenium)
Channel Coverage:	A2—A13 in VHF Band and A14—A83 in UHF Band
Tuner:	Disc Turret Type for VHF Band and Continuous Tuning Type for UHF Band
Maximum Sensitivity:	VHF 5μV (10 Vpp at Picture Tube Cathode) UHF 5μV (10 Vpp at Picture Tube Cathode)
IF Circuit:	3 Stages with 4 Stagger Tuned Elements Video IF 45.75 Mc, Sound IF 41.25 Mc, Band Width 3.1 Mc
Sound System:	4.5 Mc Intercarrier System Power Output Stage; OTL System, 300 mW Speaker 2¾″×4″, 40Ω Voice Coil
Automatic Control:	Forward AGC, Pulse-operated AGC, Diode AFC, (Automatic Noise Suppressor)
Power Requirements:	AC 117 V, 60 c/s, DC 12 V Battery
Power Consumption:	AC 14.0 W (maximum) DC 8.2 W (maximum)
Dimensions:	8⅛″ (W)×8⅝″ (D)×5⅝″ (H)
Weight:	9 lbs. 8 ozs.

SONY®

SERVICING GUIDE

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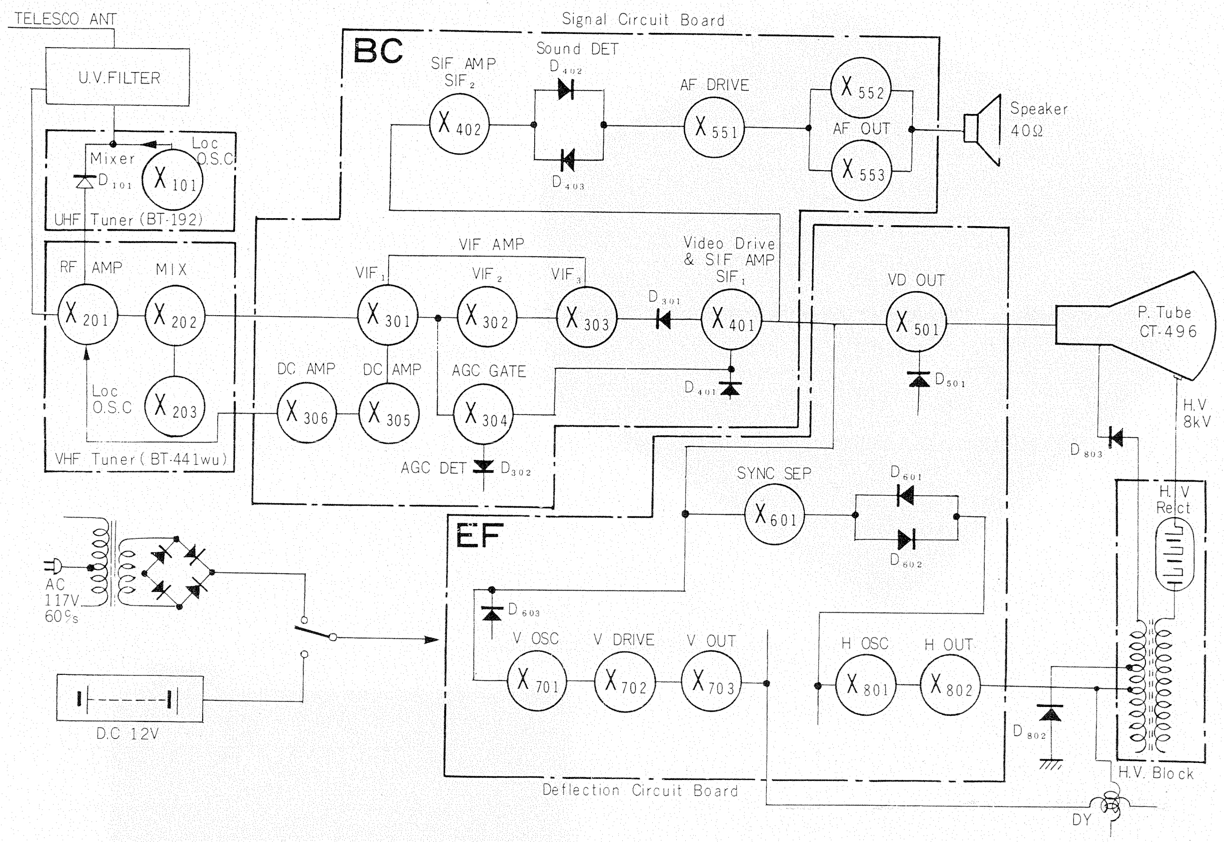
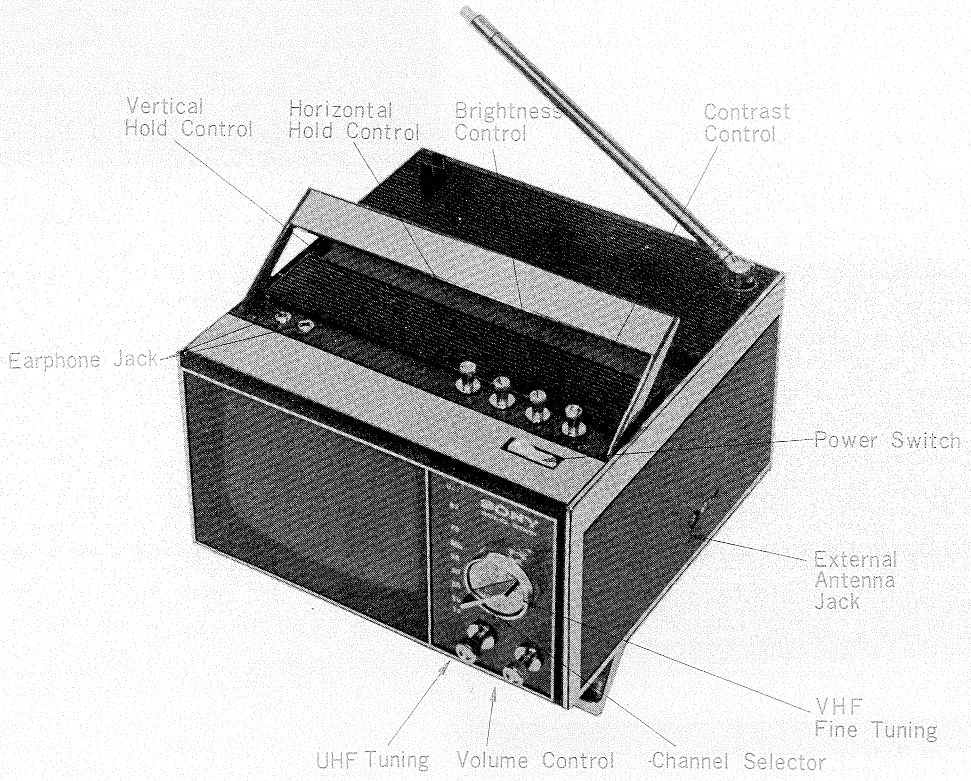
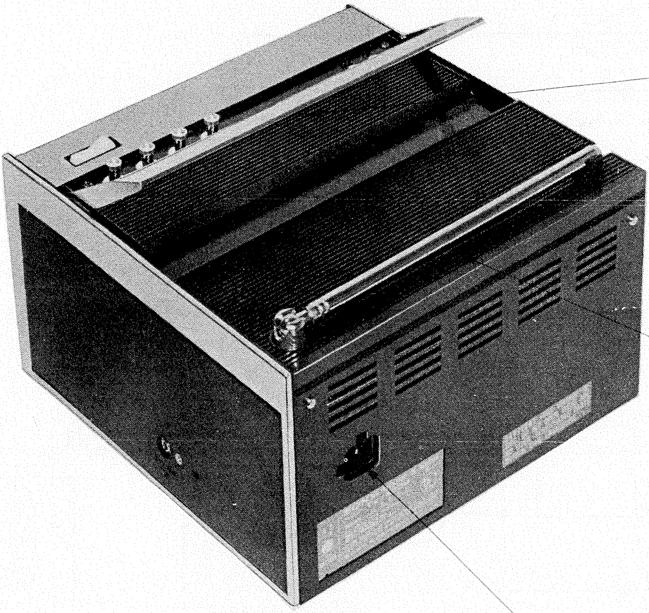
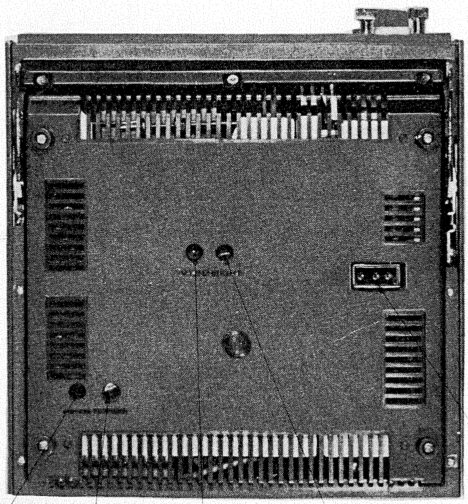
Block Diagram

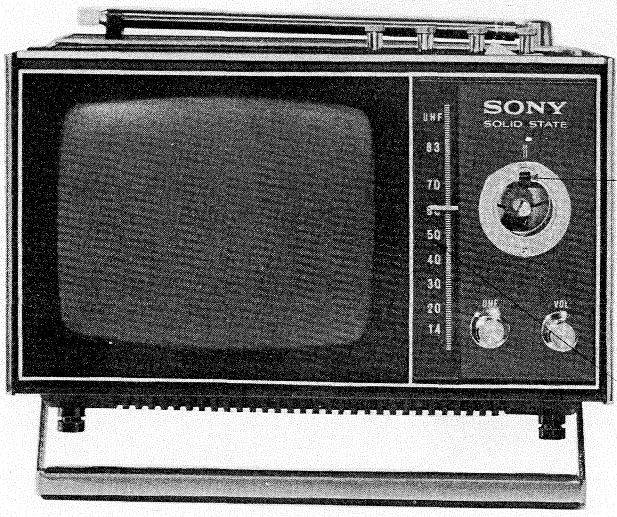

TELESCO ANT
U.V.FILTER
Mixer
D101
Loc O.S.C
X101
UHF Tuner (BT-192)
RF AMP
MIX
X201
X202
Loc O.S.C
X203
VHF Tuner (BT-441wu)
Signal Circuit Board
BC
SIF AMP
SIF2
Sound DET
D402
X402
D403
AF DRIVE
X551
X552
AF OUT
X553
Speaker
40Ω
VIF AMP
VIF1
VIF2
VIF3
X301
X302
X303
D301
Video Drive & SIF AMP
SIF1
X401
D401
DC AMP
DC AMP
AGC GATE
X306
X305
X304
AGC DET
D302
VD OUT
X501
D501
P. Tube
CT-496
H.V
8kV
D803
H.V Rect
SYNC SEP
X601
D601
D602
EF
D603
V OSC
V DRIVE
V OUT
X701
X702
X703
H OSC
H OUT
X801
X802
D802
H.V. Block
DY
Deflection Circuit Board
AC
117V
60c/s
D.C 12V

External View

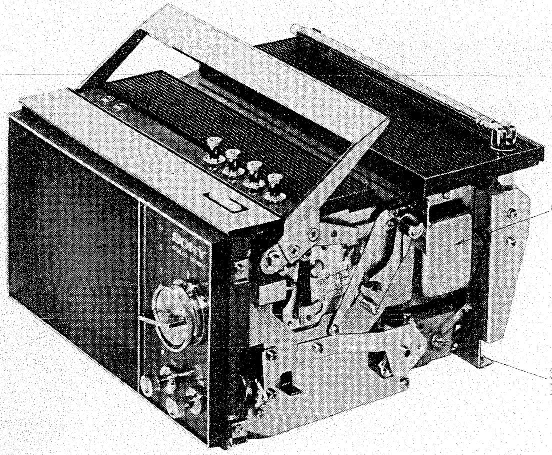

Vertical Hold Control
Horizontal Hold Control
Brightness Control
Contrast Control
Earphone Jack
Power Switch
External Antenna Jack
VHF Fine Tuning
UHF Tuning
Volume Control
Channel Selector
SONY

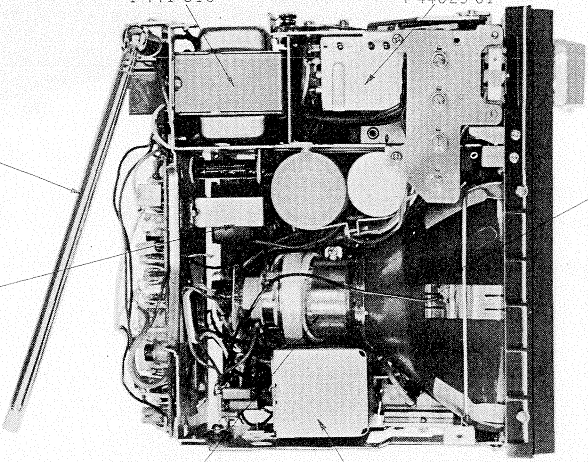

Carrying Handle
Telescopic Antenna
AC/DC Power Connector

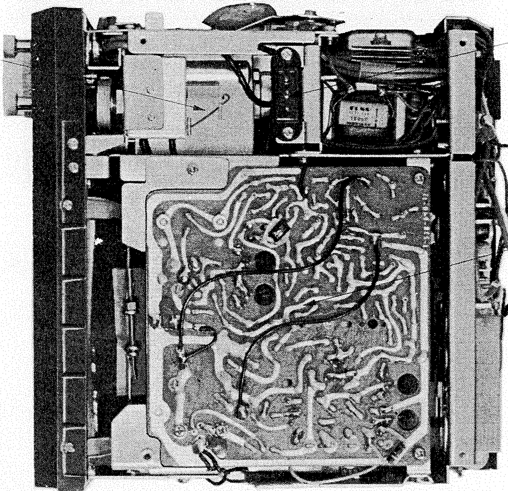

Focus
Hor. Frequency
Vert. Lin
Vert. Height
DC. Power Connector
(BP-14)

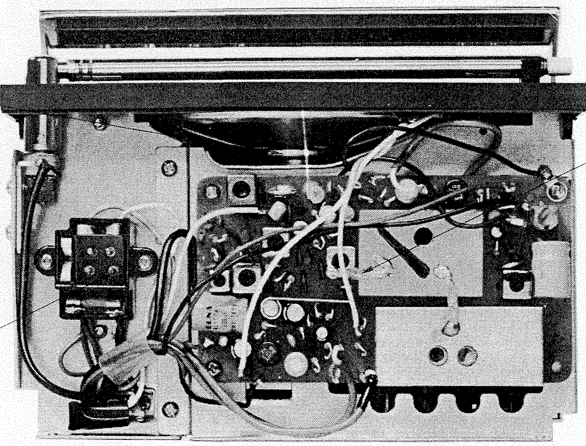

SONY
SOLID STATE
UHF
83
70
50
40
30
20
14
UHF
VOL
For Local OSC Freq.
Adjustment (VHF)
UHF. Dial Scale

Major Parts Location


Power Transformer
1-441-316
Selenium Rectifier
1-531-106


Power Transformer
1-441-316
VHF Tuner
Y-44029-01
Telescopic Antenna
1-501-087
Picture Tube (CT-496)
8-731-105-20
Filter Choke for
Power Supply
1-421-150
Deflection Yoke
1-451-003
High Voltage Block
1-453-019


UHF Tuner
1-463-001
3P Connector
1-508-155
Deflection Circuit
Board
X-40083-21


Speaker
1-502-169
Signal Circuit
Board
X-40083-21
Power Plug with
Switch
1-508-156

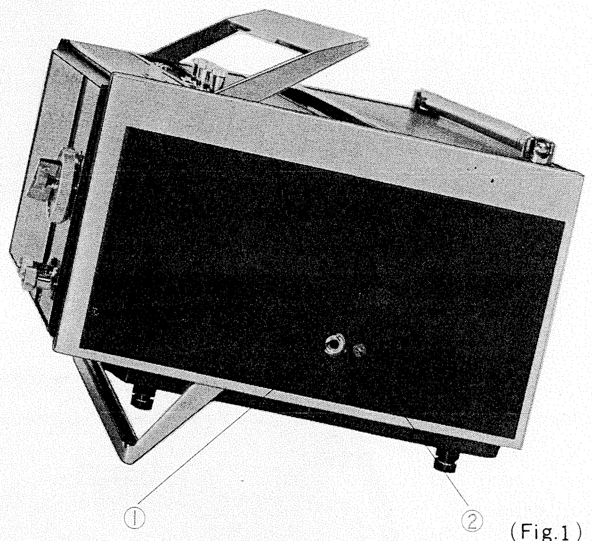
Method of Dissasembling the Set

To Remove the Rear Cabinet Cover

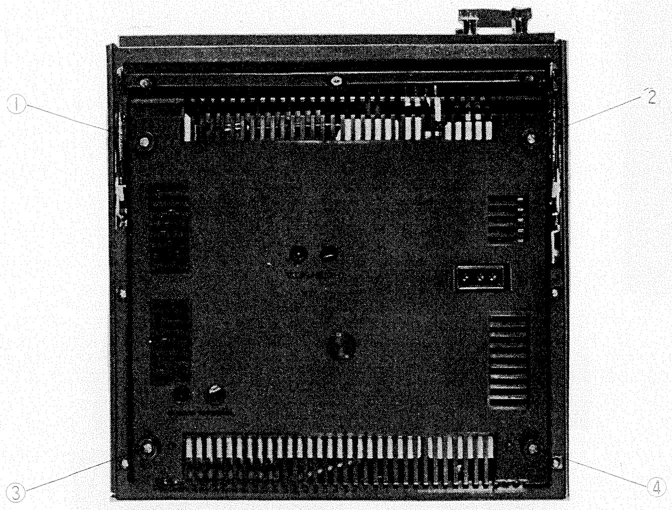
(1) Remove the Screws (① in Fig. 1).

(2) Remove the Antenna Jack Nut (② in Fig. 1).

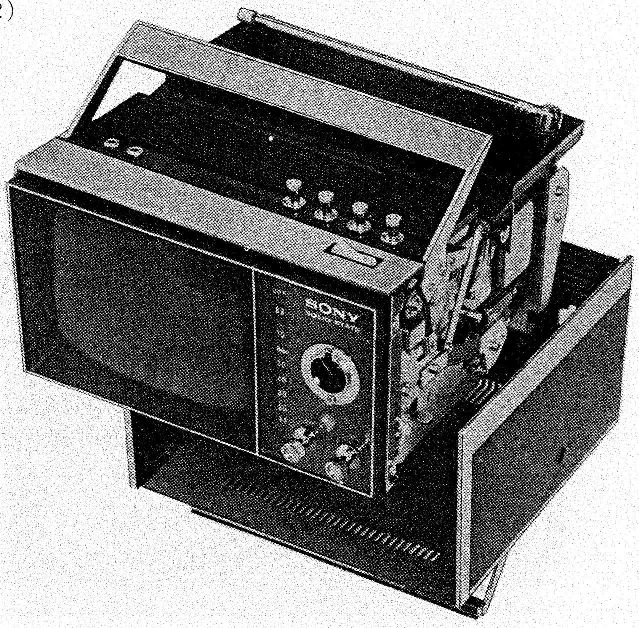
(3) Remove the four Feet (①, ②, ③ and ④ in Fig. 2).



(Fig.1)



(Fig. 2)


SONY
SOLID STATE

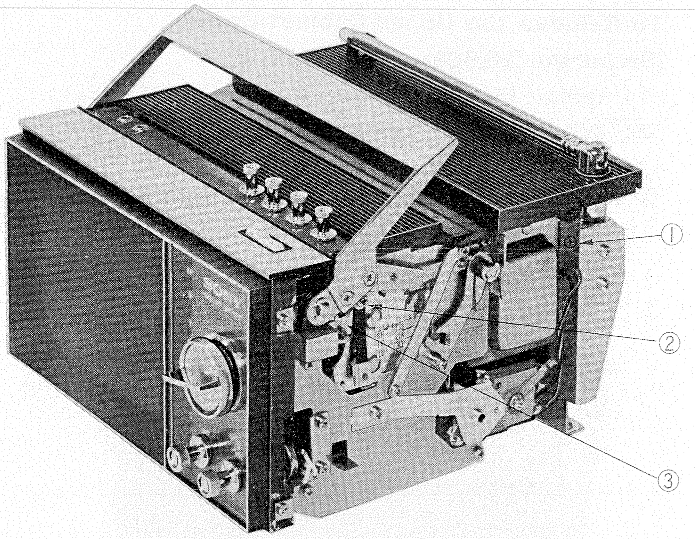
To Remove the Upper Cabinet Cover
(For the Set up to Serial No. 16,500)

(1) Remove the Rear Cabinet Cover.

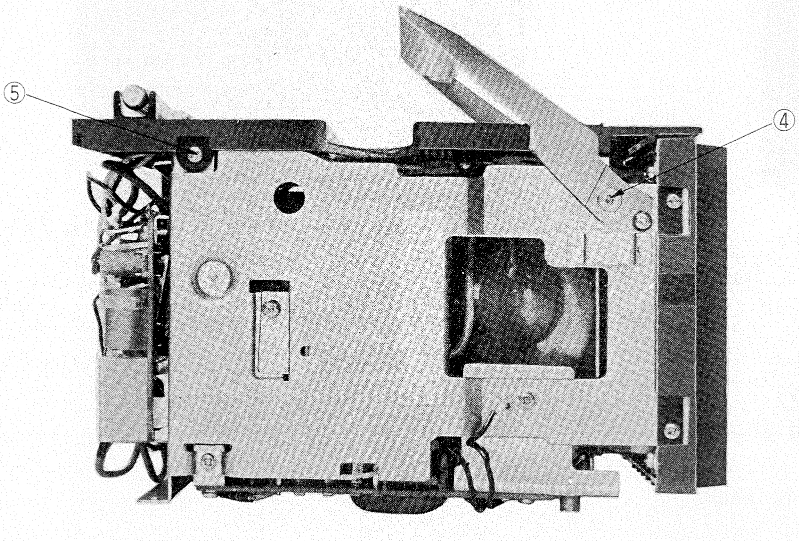
(2) Remove the five Screws (①, ②, ③, ④ and ⑤ in Fig. 3, 4).

(3) Pull four Control Knobs Straight out (② in Fig. 5).

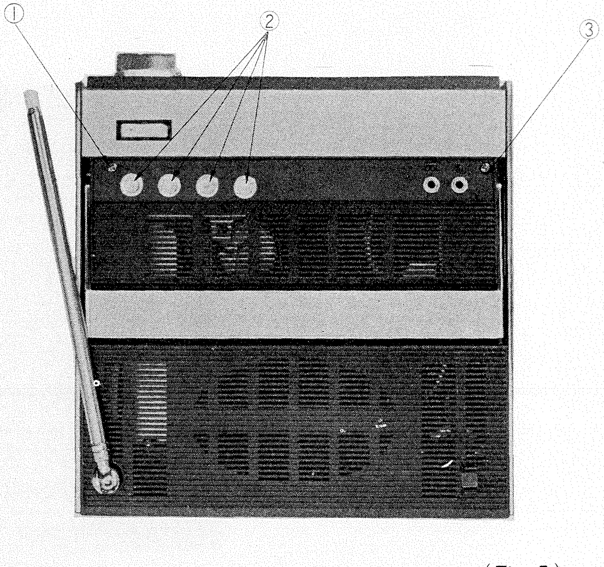
(4) Remove the two Screws (①, ③ in Fig. 5).



(Fig. 3)



(Fig. 4)



(Fig. 5)

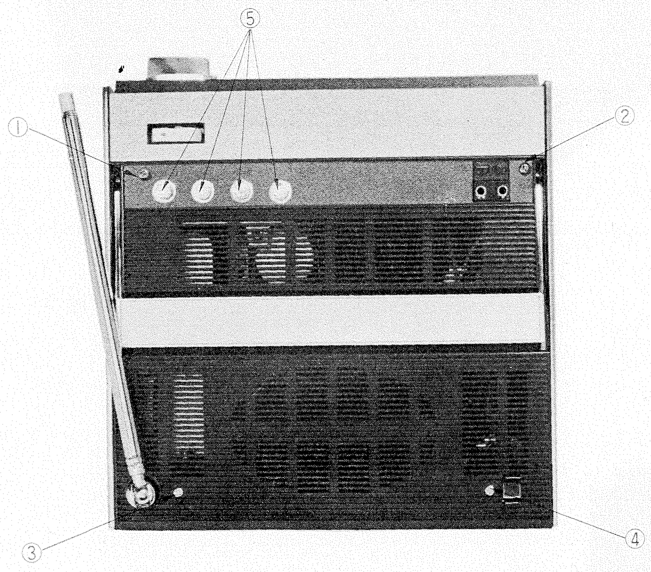
To Remove the Upper Cabinet Cover (Serial No. 16,501 and After)

(1) Remove the four Screws (①, ②, ③ and ④ in Fig. 6).

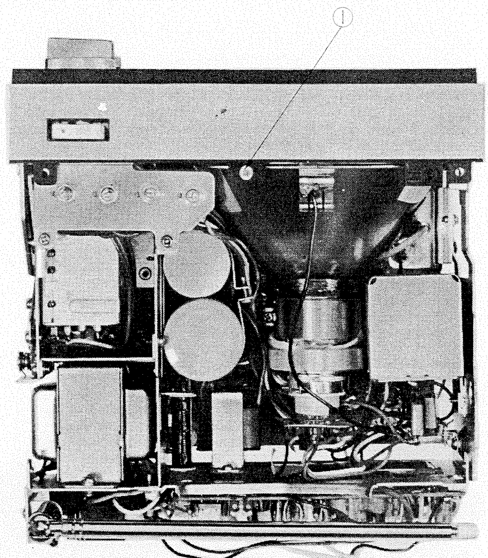
(2) Pull four Control Knobs Straight out (⑤ in Fig. 6).

To Remove the Upper Ornamental Plate

(1) Remove the Screws (① in Fig. 7).



(Fig. 6)



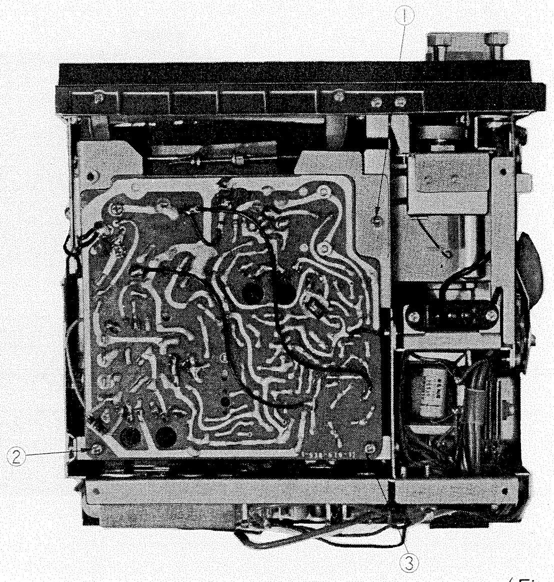
(Fig. 7)

To Remove the Deflection Circuit Board

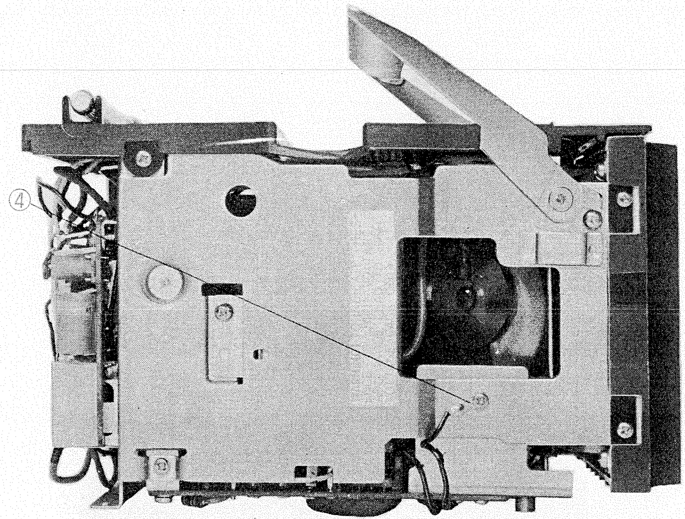
(1) Remove the four Screws (①, ②, ③ and ④ in Fig. 8, 9).

(2) Pull out the six Connectors (Ⓐ, Ⓑ, Ⓒ, Ⓓ, Ⓔ and Ⓕ in Fig. 10).

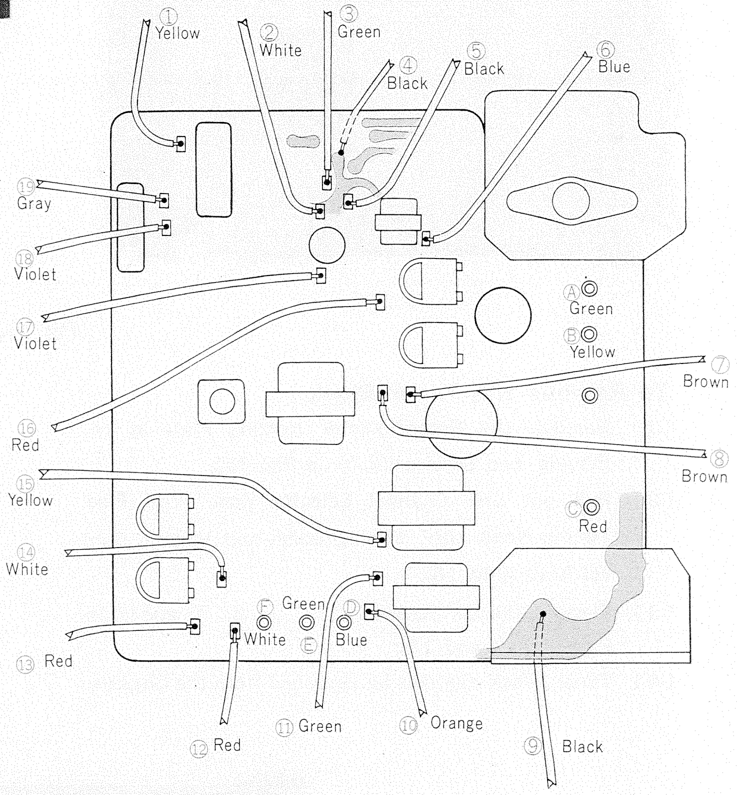
(3) Unsolder the nineteen Leads (① ~ ⑲ in Fig. 10).



(Fig. 8)



(Fig. 9)

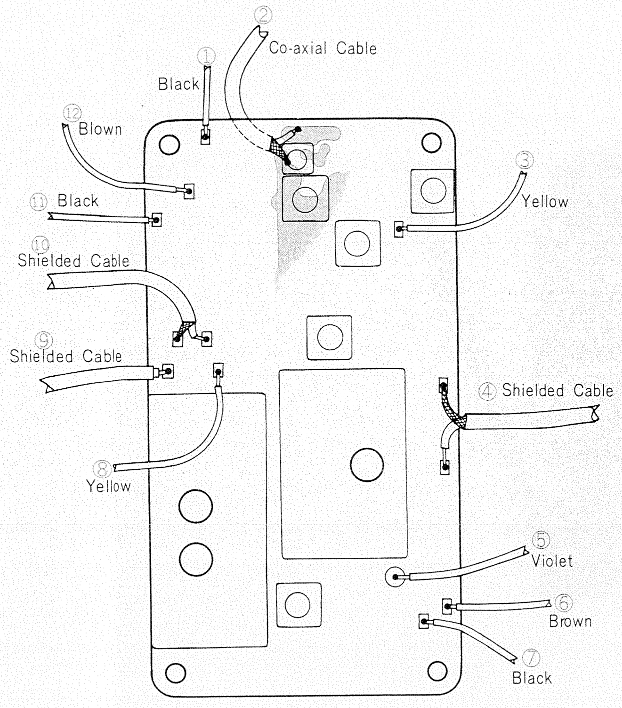

① Yellow
② White
③ Green
④ Black
⑤ Black
⑥ Blue
⑲ Gray
⑱ Violet
⑰ Violet
⑯ Red
⑮ Yellow
⑭ White
⑬ Red
Ⓐ Green
Ⓑ Yellow
⑦ Brown
⑧ Brown
Ⓒ Red
Ⓕ Green
Ⓓ
White
Ⓔ Blue
⑫ Red
⑪ Green
⑩ Orange
⑨ Black

(Fig. 10)

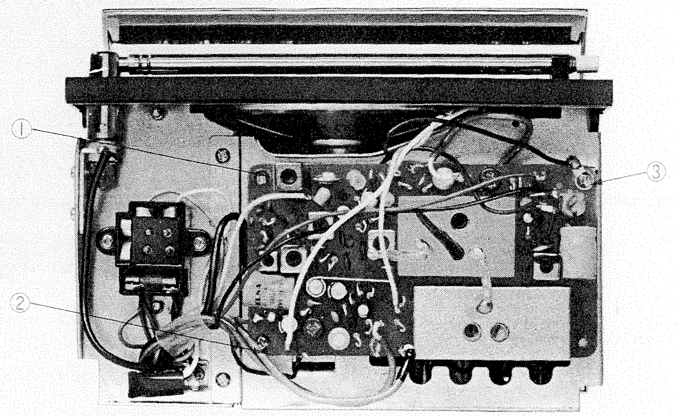
To Remove the Signal Circuit Board

(1) Unsolder the two Shielded Leads, one Co-ax Cable and eight Leads (①~⑫ in Fig. 11).

(2) Remove the three Screws (①, ② and ③ in Fig. 12).


② Co-axial Cable
① Black
⑫ Blown
⑪ Black
⑩ Shielded Cable
⑨ Shielded Cable
⑧ Yellow
③ Yellow
④ Shielded Cable
⑤ Violet
⑥ Brown
⑦ Black

(Fig. 11)



(Fig. 12)

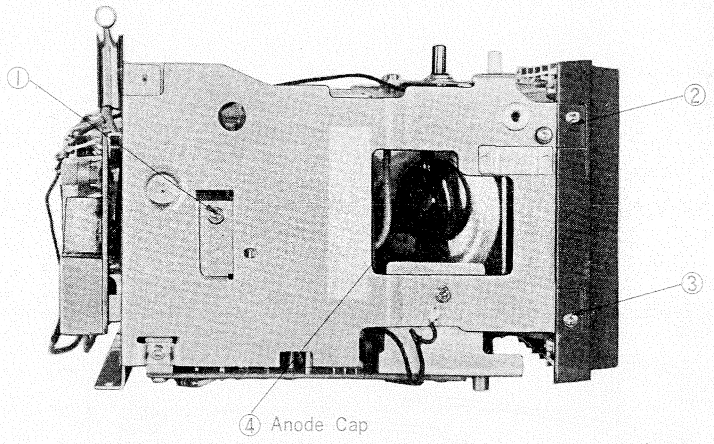
To Remove the High Voltage Block

(1) Remove the three Screws (①, ② and ③ in Fig. 13).

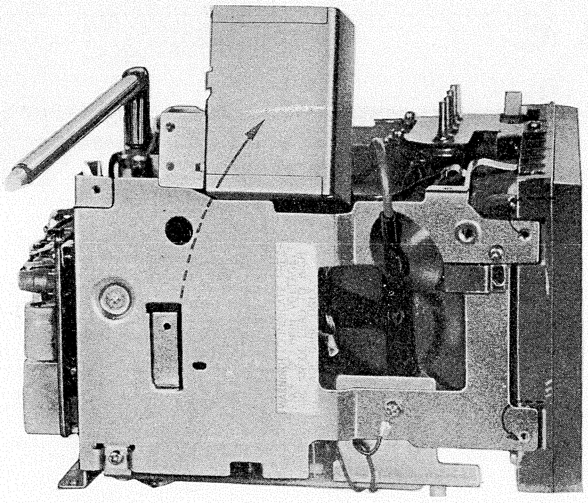
(2) Remove the Anode Cap (④ in Fig. 13).

(3) Pull out High Voltage Block from the Chassis (Fig. 14).

(4) Unsolder all the corresponding Leads on the High Voltage Block.



(Fig. 13)



(Fig. 14)

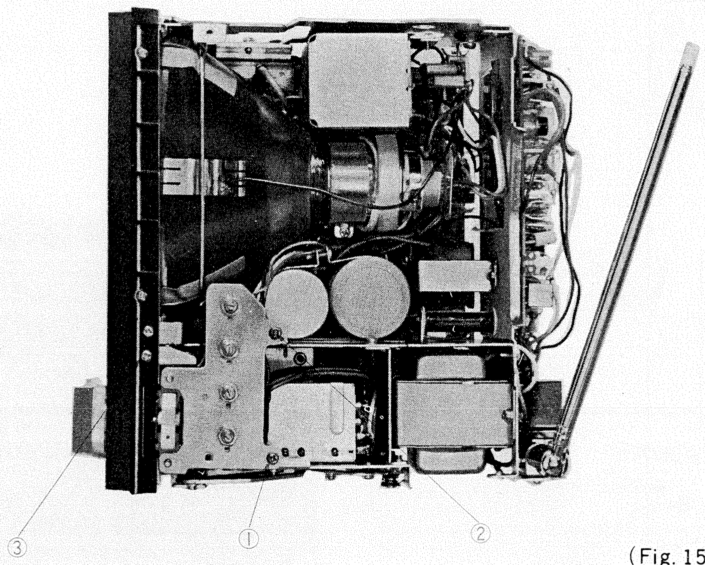
To Remove the Tuner Block

(1) Remove the Potentiometer Holding Plate by removing two Screws (①, ② in Fig. 15).

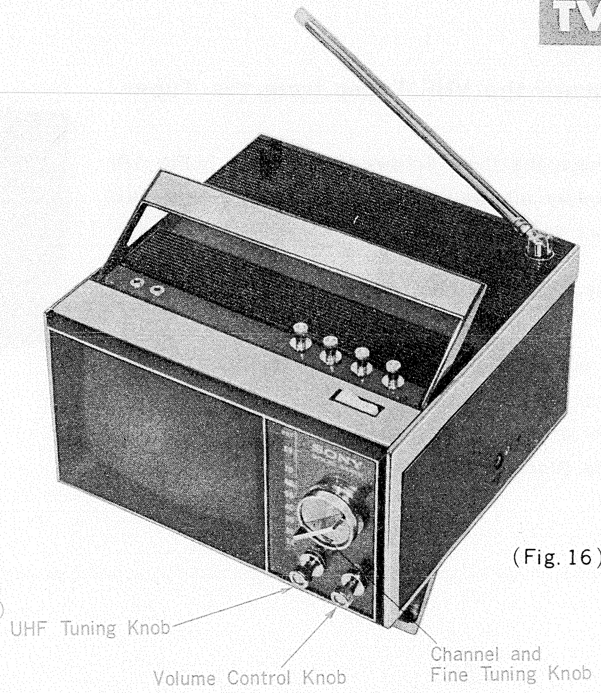
(2) Pull out VHF Channel Selector Knob, VHF Fine Tuning Knob, UHF Tuning Knob and Volume Control Knob (Fig. 16).

(3) Remove the six Screws (③, ④, ⑤, ⑥, ⑦ and ⑧ in Fig. 15, 17 and 18).

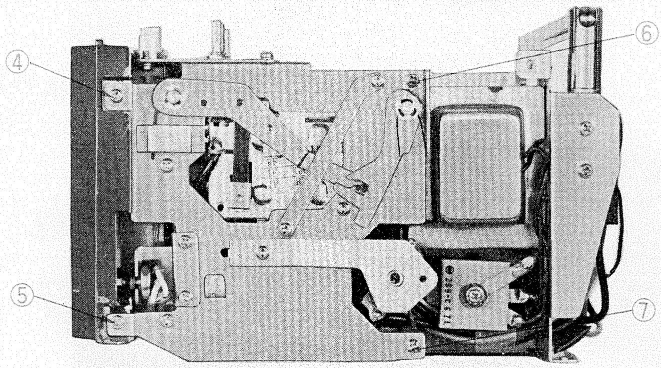
(4) Tuner block can now be detached from the Chassis.



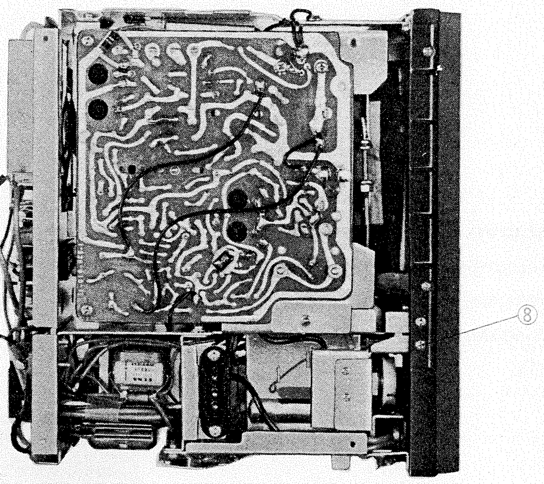
(Fig. 15)


UHF Tuning Knob
Volume Control Knob
Channel and Fine Tuning Knob

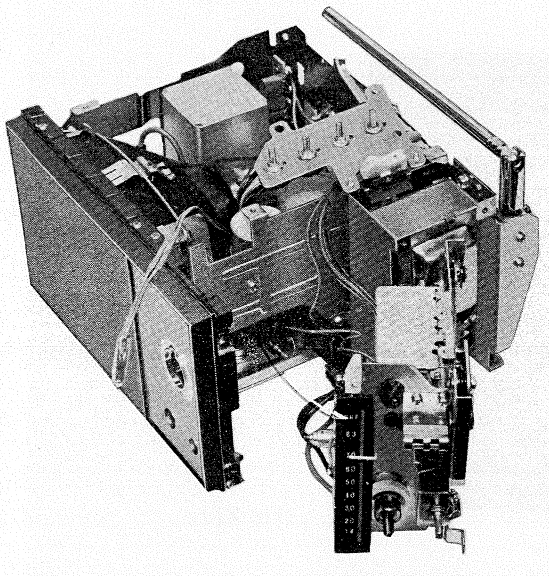
(Fig. 16)



(Fig. 17)



(Fig. 18)



To Separate the VHF Tuner from the Tuner Block

(1) Remove the three Screws (①, ② and ③ in Fig. 19).

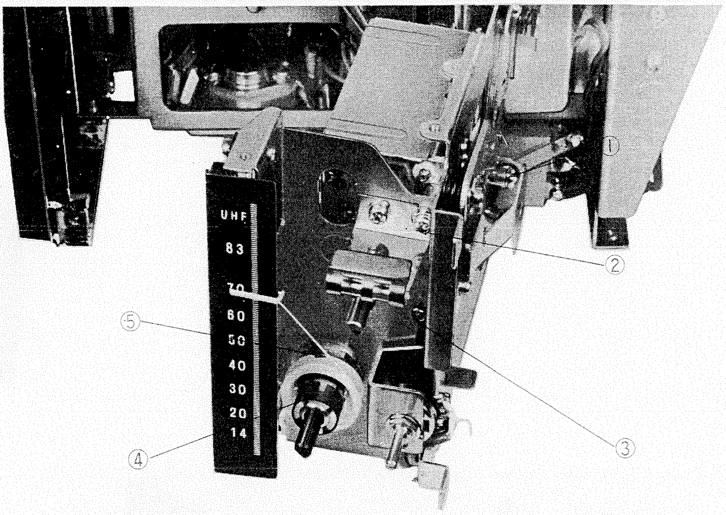
(2) Unsolder all the Corresponding Leads on the VHF Tuner Block (Fig. 20).

To Separate the UHF Tuner from the Tuner Block

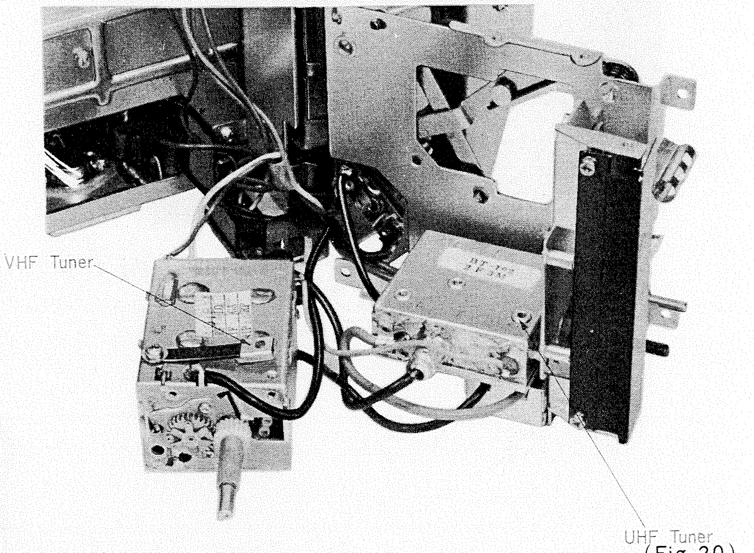
(1) Pull out the Dial Drum (④ in Fig. 19).

(2) Remove the 14φ Nut (⑤ in Fig. 19).

(3) Unsolder all the Corresponding Leads on the UHF Tuner Block (Fig. 20).


①
②
⑤
UHF
83
70
60
50
40
30
20
14
③
④

(Fig. 19)


VHF Tuner
UHF Tuner

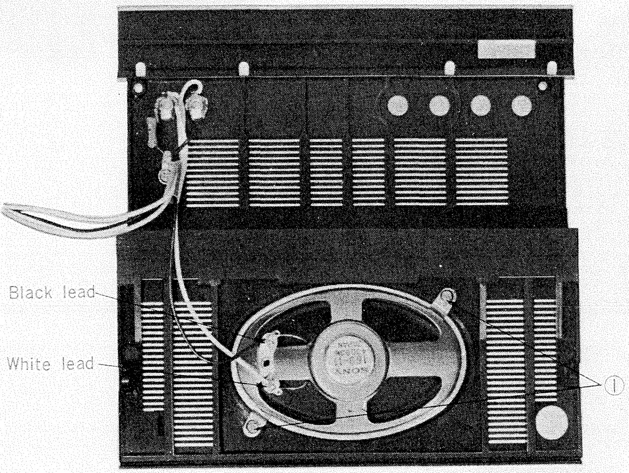
(Fig. 20)

To Remove the Speaker

(1) Remove the Upper Cabinet Cover.

(2) Remove the two Screws (① in Fig. 21).

(3) Unsolder the two Leads (Black and White in Fig. 21).

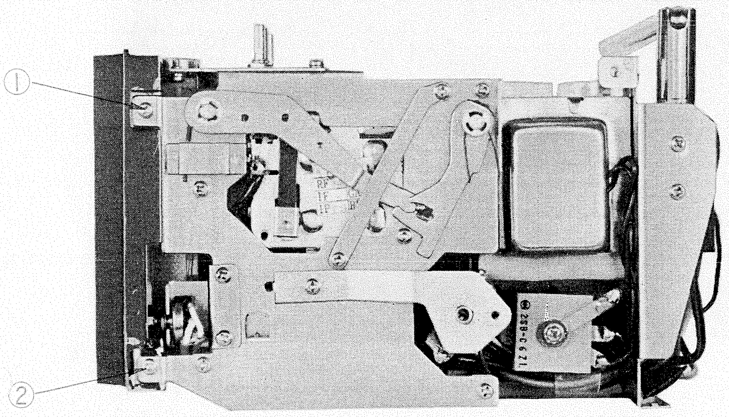

Black lead
White lead
①

(Fig. 21)

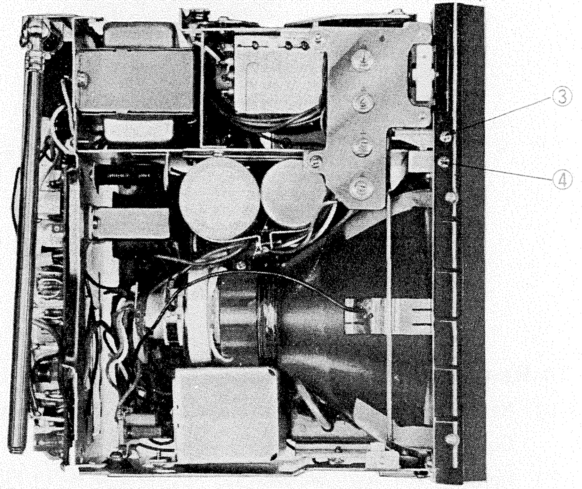
To Remove the Picture Tube-1

(1) Remove the Upper Cabinet Cover and Rear Cabinet Cover.

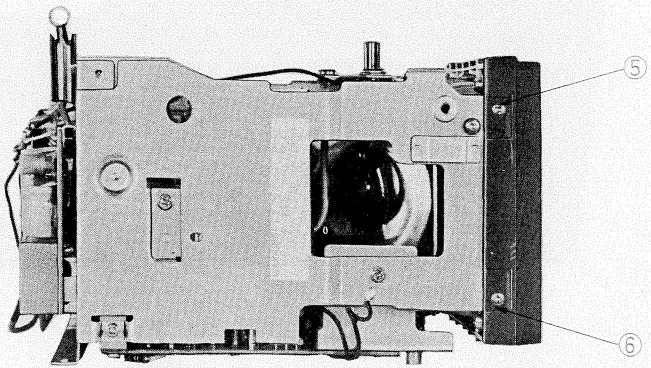
(2) Remove the eight Screws (①, ②, ③, ④, ⑤, ⑥, ⑦ and ⑧ in Fig. 22, 23, 24 and 25).



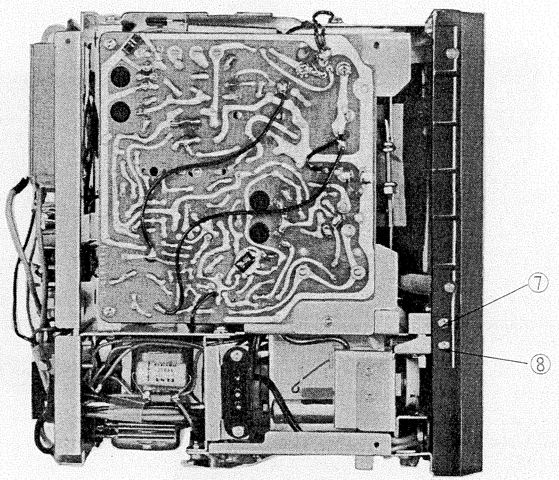
(Fig. 22)



(Fig. 23)



(Fig. 24)



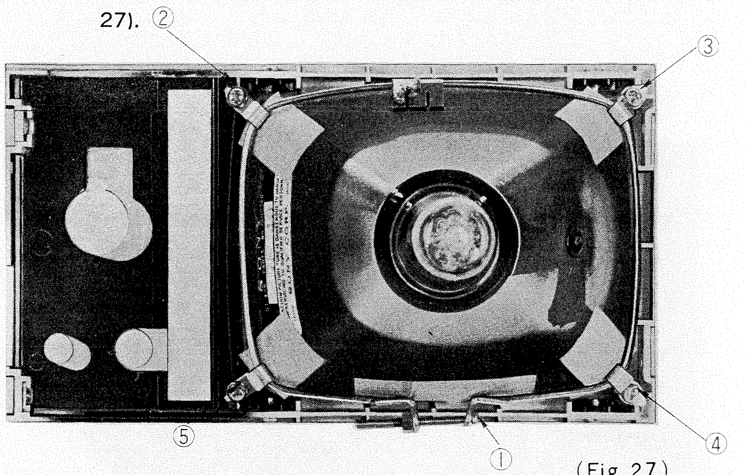
(Fig. 25)

To Remove the Picture Tube-2

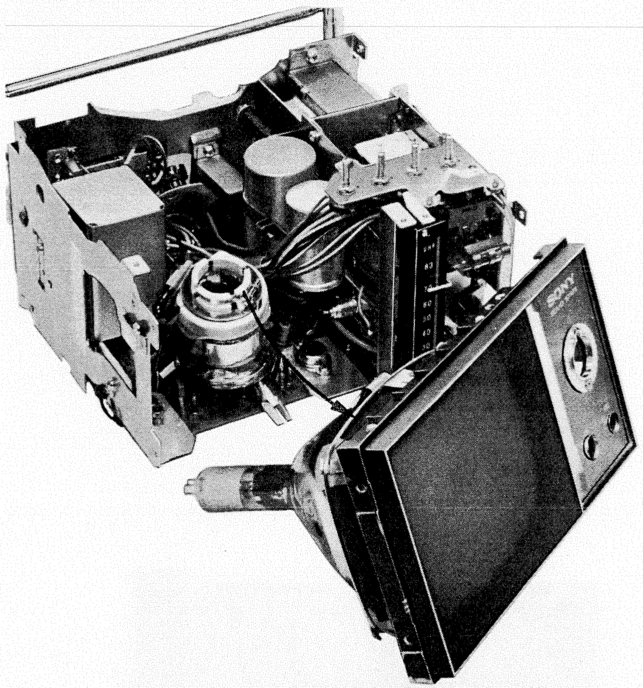
(3) Remove the Front Cabinet from the Chassis (Fig. 26).

(4) Loosen the Picture tube Clamp Screws (① in Fig. 27).

(5) Remove the four Screws (②, ③, ④ and ⑤ in Fig. 27).



(Fig. 27)



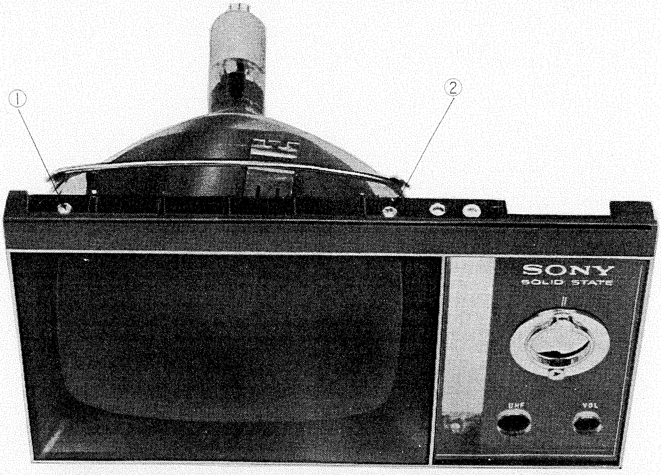
(Fig. 26)

To Remove the Protecter

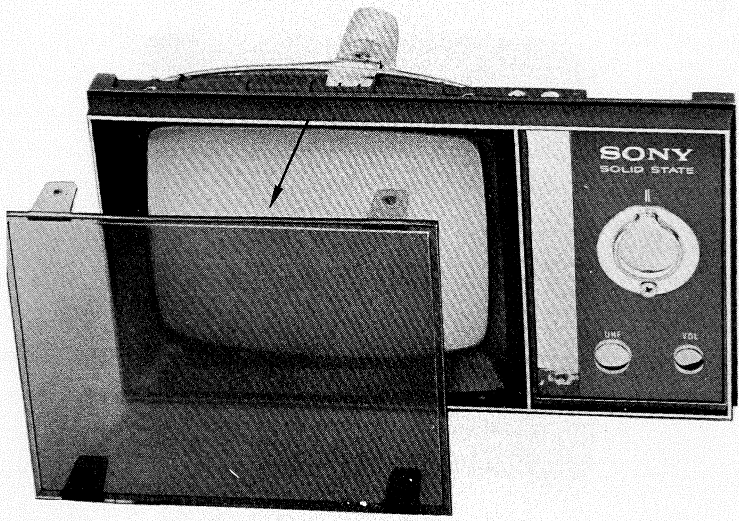
(1) Remove the Upper Cabinet Cover and Rear Cabinet Cover.

(2) Remove the four Screws (①, ②, ③ and ④ in Fig. 28, 29).

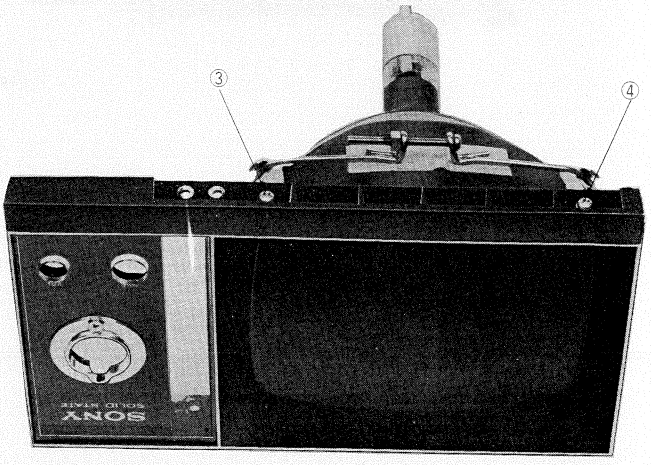
(3) Pull out Protector from the Front Cabinet (Fig· 30).


①
②
SONY
SOLID STATE
UHF
VOL

(Fig. 28)


SONY
SOLID STATE
UHF
VOL

(Fig. 30)


③
④
SONY
SOLID STATE

(Fig. 29)

Adjustment Procedure

A. VIF Response Curve Adjustments

Pre-Alignment Steps

(1) Unsolder the Keying Pulse Lead.

(2) Connect an Oscilloscope to the Base of X_{401} and the ground through a Noise Filter, which consists of a 10KΩ resistor and a 500μμF Capacitor as shown in Fig. 17.

(3) Connect a Sweep Generator and a Marker Generator to the Test Point (TP) of the Tuner through a 0.02μF capacitor.

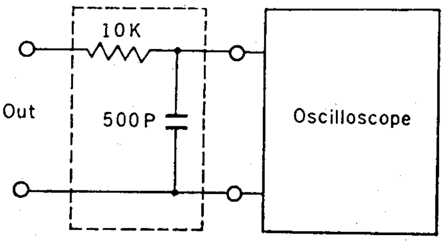
(4) Set the Tuner to a free channel in area.

Step	Equipment	Connection	Freq.	Adjust	
1	Signal Gen. Oscilloscope	VIF Input Terminal VIDEO DET OUT (Base of X_{401} and the ground)	34Mc (AM, 1Kc, 40%)	TRAP-4	for minimum modulated Waveform.

Step	Marker Gen. Freq.	Adjust	Correct Marker position on the response curve	Remarks
2	41.25 Mc	TRAP-301	Ⓢ (dip)	
3	47.25 Mc	TRAP-302	Ⓛ (dip)	
4	42.5 Mc	VIFT-2	Ⓟ (50%)	VIF Standar
5	45.75 Mc	VIFT-3	Ⓥ (45%)	Response Curve.
		VIFT-4		See Fig. 18.
6	45 Mc	VIFT-3	Ⓐ (100%—1.4 Vpp)	
		VIFT-4		

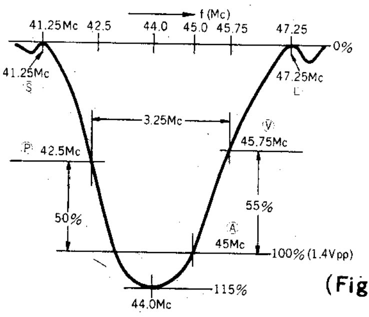
Note: If a proper response curve similar to Fig. 18 is not obtained by the adjustment procedures described above, replace the damping resistor (R_{306} or R_{314}) with proper one for best result.

Noise Filter



(Fig. 31)

VIF Standard Response Curve



(Fig. 32)

B. SIF Adjustments

Pre-Alignment Steps

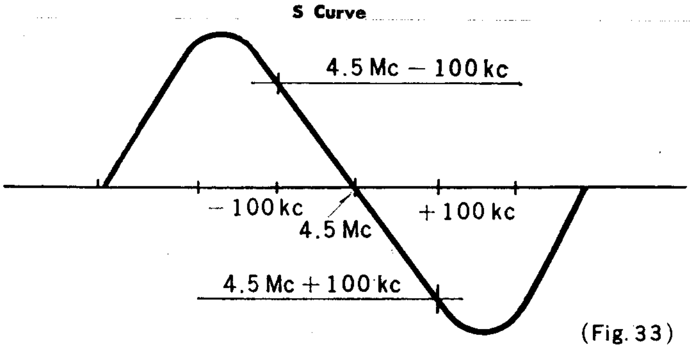
(1) Set the Brightness Control to the optimum and the Contrast Control to the maximum positions.

(2) Remove the Tuner Output Leads.

(3) Connect a 5KΩ resistor across SIF output terminal and ground.

Step	Equipment	Connection	Freq.	Adjust	
1	Test Oscillator	VIDEO DET OUT	4.5 Mc	TRAP-3	for minimum stripes on the picture.
2	Same	Same	4.5 Mc	$SIFT_1$ & Pri. of	
	Voltmeter	Across R_{411}		$SIFT_2$ (Pink)	for maximum reading on the Voltmeter.
3	Sweep Gen.	VIDEO DET OUT	4.5 Mc (AM)	Sec. of $SIFT_2$	for minimum modulated waveform.
	Standard	Same			
	Signal Gen.				
	Oscilloscope	SIF output terminals Across a Dummy resistor of 5KΩ			

Note: (1) Repeat the above procedures two or three times.
(2) If S curve is not symmetrical with respect to the intersection of the S curve and return line, adjust primary of $SIFT_2$ for optimum result.

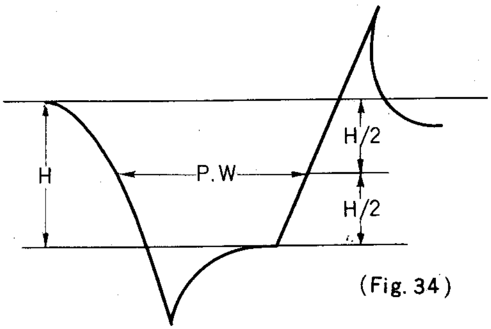


(Fig. 33)

C. Deflection Circuit Adjustments

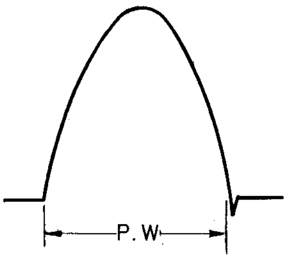
Step	Adjustment for	Preliminary Instruction	Equipment	Connection	Adjust	
1	Ic of X_{501} (VID. Out)	Set to free channel. Check 12V and 50V Power Supply.	Voltmeter	Across R_{504}	R_{502} (57K–75KΩ)	For approx. 18.5V reading.
2	Heater Voltage (Picture tube)	Check 12V Power Supply.	Voltmeter	Between Picture tube Heater Pins	R_{509} (1Ω∼2Ω)	For approx. 0.6V reading.
3	Ic of X_{702} (Vert. Out)	Lock in Sync. Check 12V Power Supply.	Same	Across R_{710}	R_{707} (120Ω–1.5KΩ)	For approx. 0.38–0.41V reading.
4	Vert. Height and Linearity	Receive a Test Pattern.			VR_{703} (Vert. Linearity) VR_{701} (Vert. Height)	For optimum Vertical Height and Linearity on the Picture.
5	Pulse Width	Lock in Sync.	Oscillo-scope	Emitter of X_{801}	C_{804} (0.068–0.22μF)	For 7.5–8.5μsec. (Fig. 34)
6	HSC (Horizontal Stability Coil)	Lock in Sync. Receive a Test Pattern.			HSC	So that the picture is stable in either case whether HSC is shorted or normal.
7	Horizontal Width	Lock in Sync. Brightness Controls to optimum positions.	Oscillo-scope	Collector of X_{802}	C_{808} (0∼0.015μF)	For 11.6–12.2μsec. (Fig. 35)
8	Horizontal Frequency	Set the Contrast and Brightness Controls to optimum positions. Receive a Test Pattern.			VR_{602} (Hor. Freq.)	To obtain same number of diagonal bars by applying some electrical shocks respectively when setting VR_{601} to fully clockwise and counter-clockwise positions.
9	Focus	Same Lock in Sync.			VR_{801} (600KΩ)	To obtain best focus on the picture.

Waveform of Horizontal X_{801} Transistor



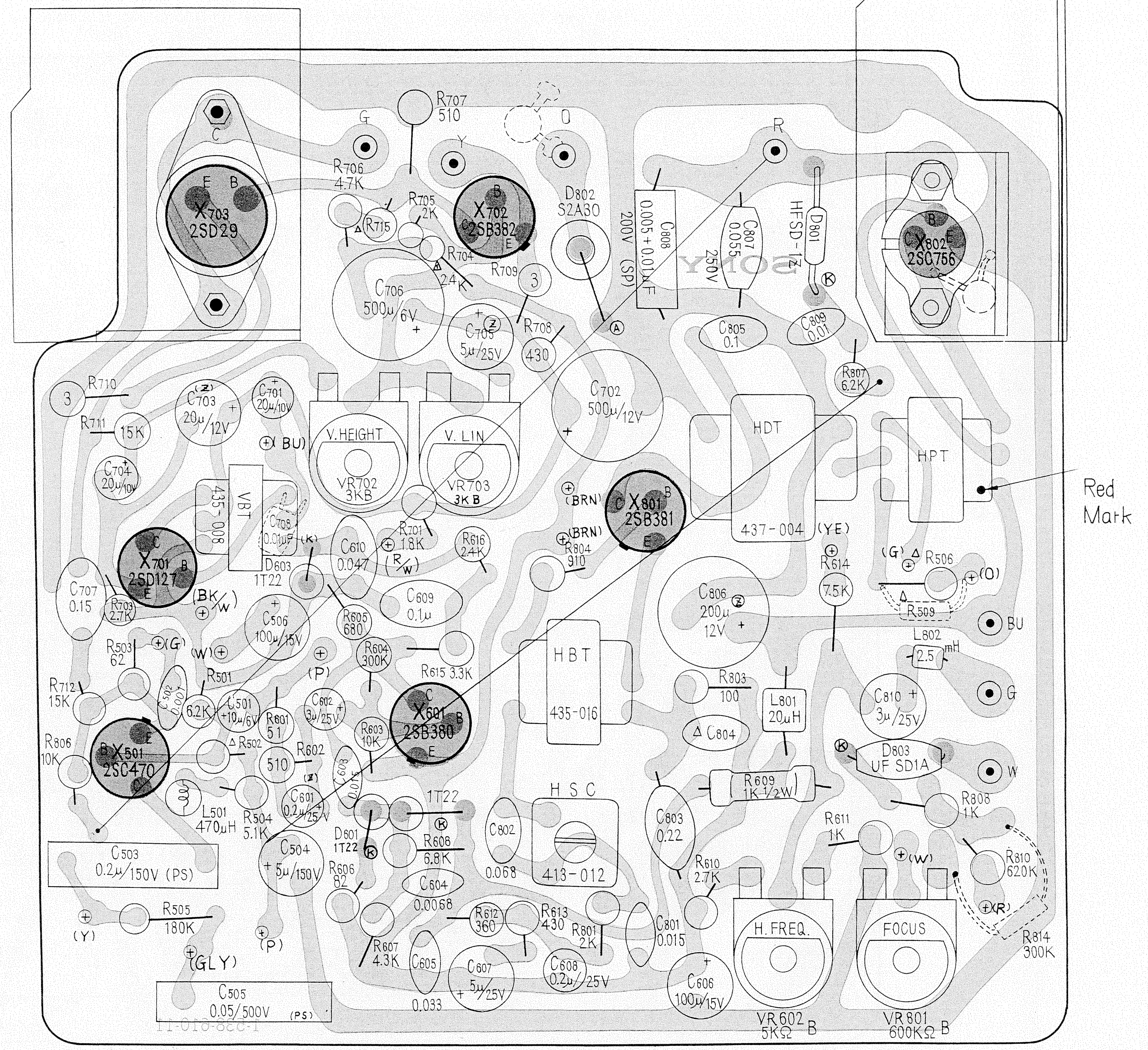
(Fig. 34)

Waveform of Horizontal X_{802} Transistor

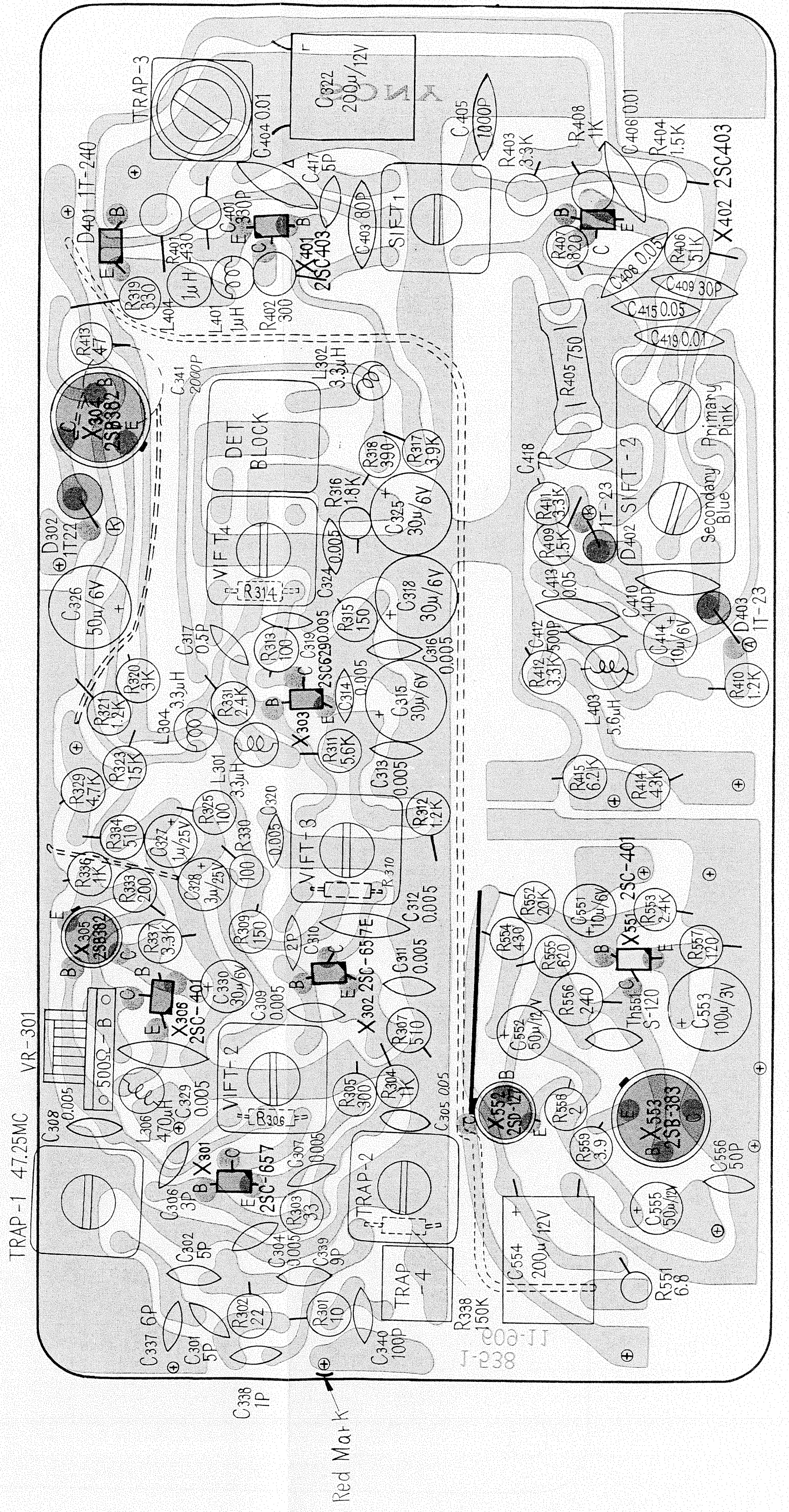


(Fig. 35)

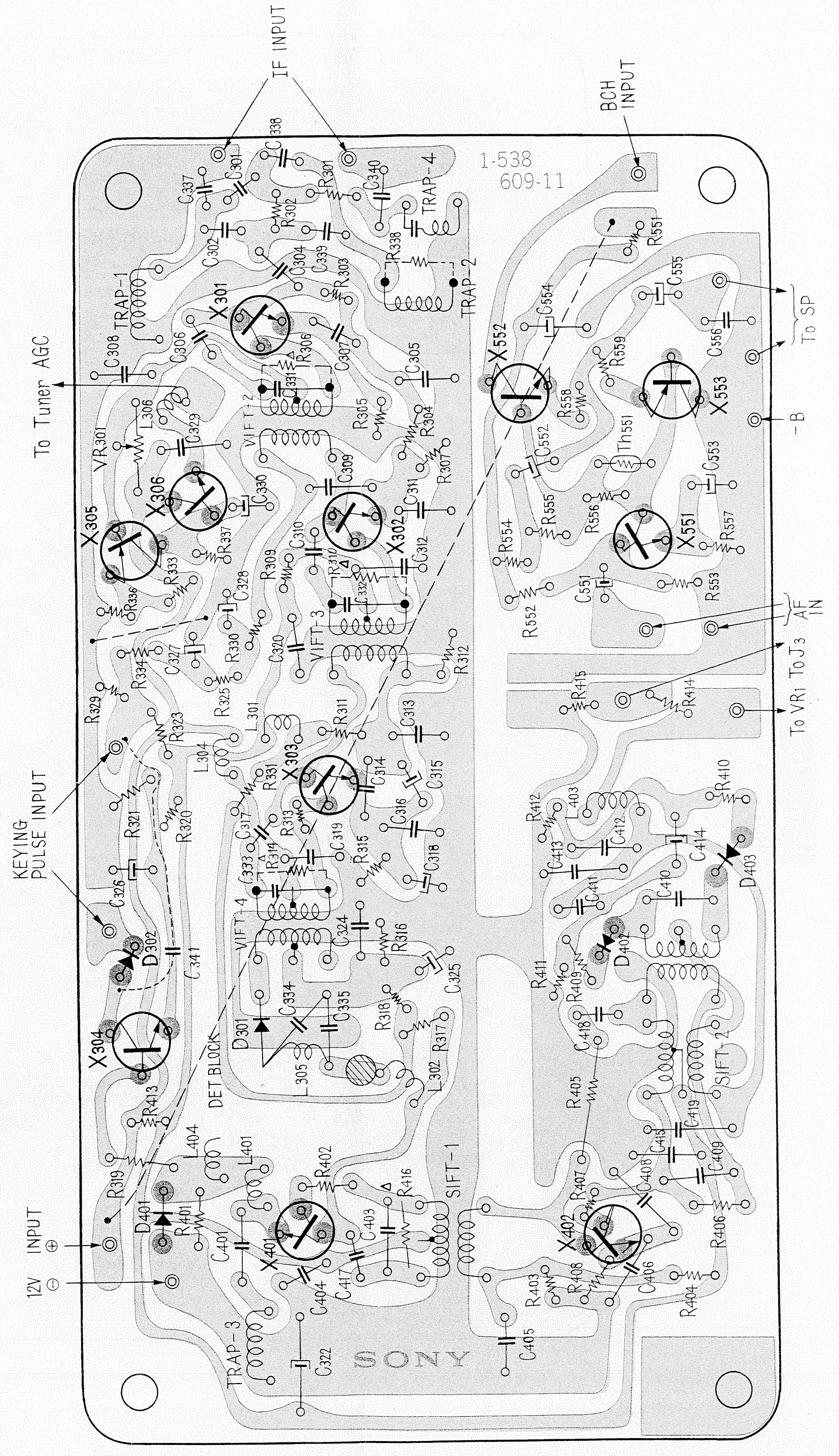
Mounting Diagram
Deflection Circuit Board
—Components Side—


X703 2SD29
X702 2SB382
X801 2SB381
X802 2SC756
X701 2SD127
X601 2SB380
X501 2SC470
D802 S2A30
D801 HFSD-1Z
D803 UF SD1A
D603 1T22
D601 1T22
V. HEIGHT VR702 3KB
V. LIN VR703 3KB
VBT 435-008
HDT 437-004
HPT
HBT 435-016
H S C 413-012
H. FREQ. VR602 5KΩ B
FOCUS VR801 600KΩ B
C503 0.2μ/150V (PS)
C505 0.05/500V (PS)
C706 500μ/6V
C702 500μ/12V
C806 200μ 12V
C808 0.005+0.01μF 200V (SP)
C807 0.035 250V
R707 510
R706 4.7K
R505 180K
L501 470μH
L801 20μH
L602 2.5mH
R609 1K 1/2W
Red Mark

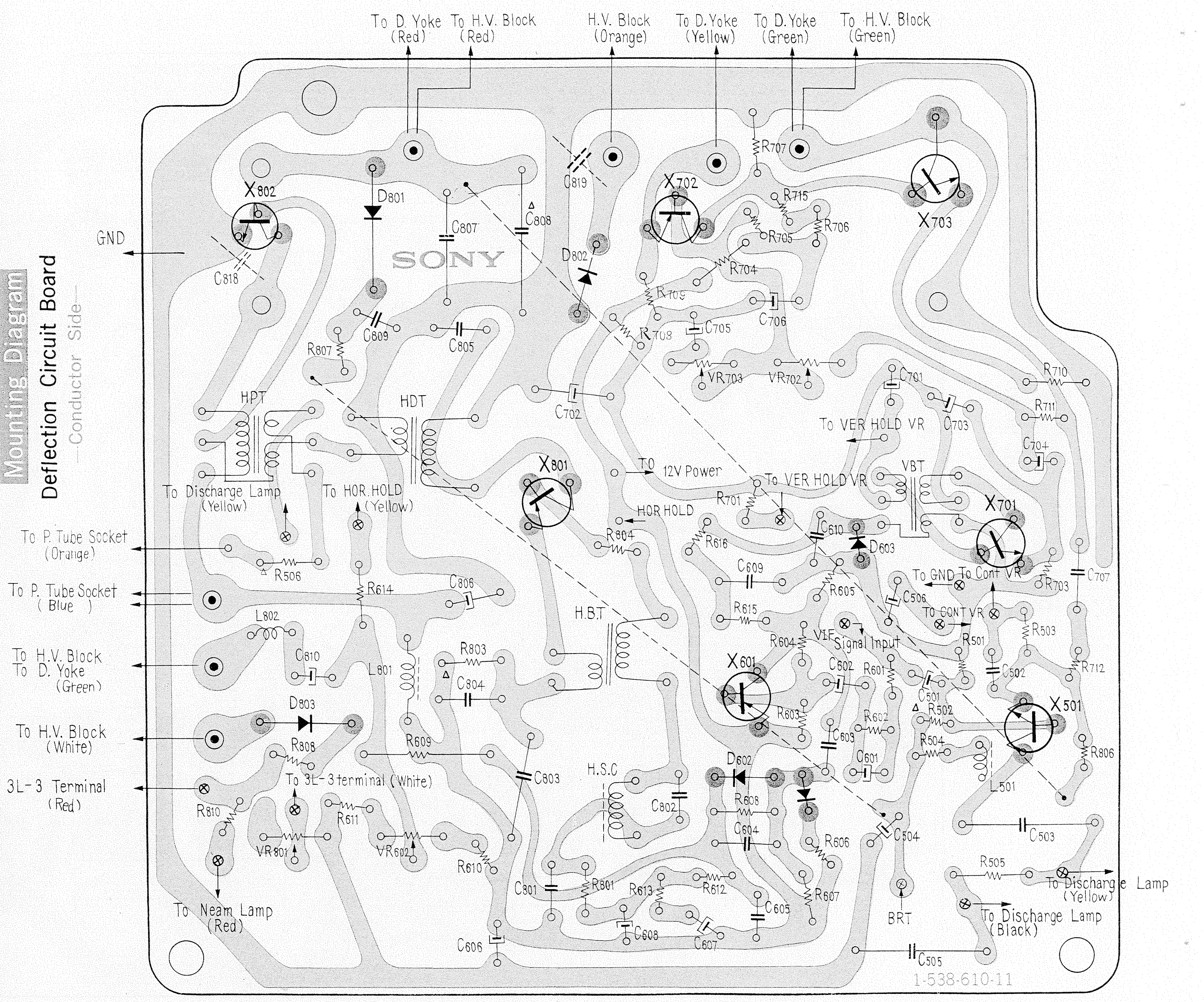
Mounting Diagram
Signal Circuit Board
—Components Side—


TRAP-3
TRAP-1 47.25MC
TRAP-2
TRAP-4
VR-301 500Ω-B
X401 2SC403
X402 2SC403
X304 2SB382
X305 2SB382
X303 2SC629
X302 2SC-657E
X301 2SC-657
X306 2SC-401
X551 2SC-401
X552 2SD-127
X553 2SB-383
D401 1T-240
D402 1T-23
D403 1T-23
D302 1T22
DET BLOCK
VIFT-4
VIFT-3
VIFT-2
SIFT-1
SIFT-2
Primary Pink
Secondary Blue
C322 200μ/12V
C554 200μ/12V
C553 100μ/3V
R405 750
Red Mark

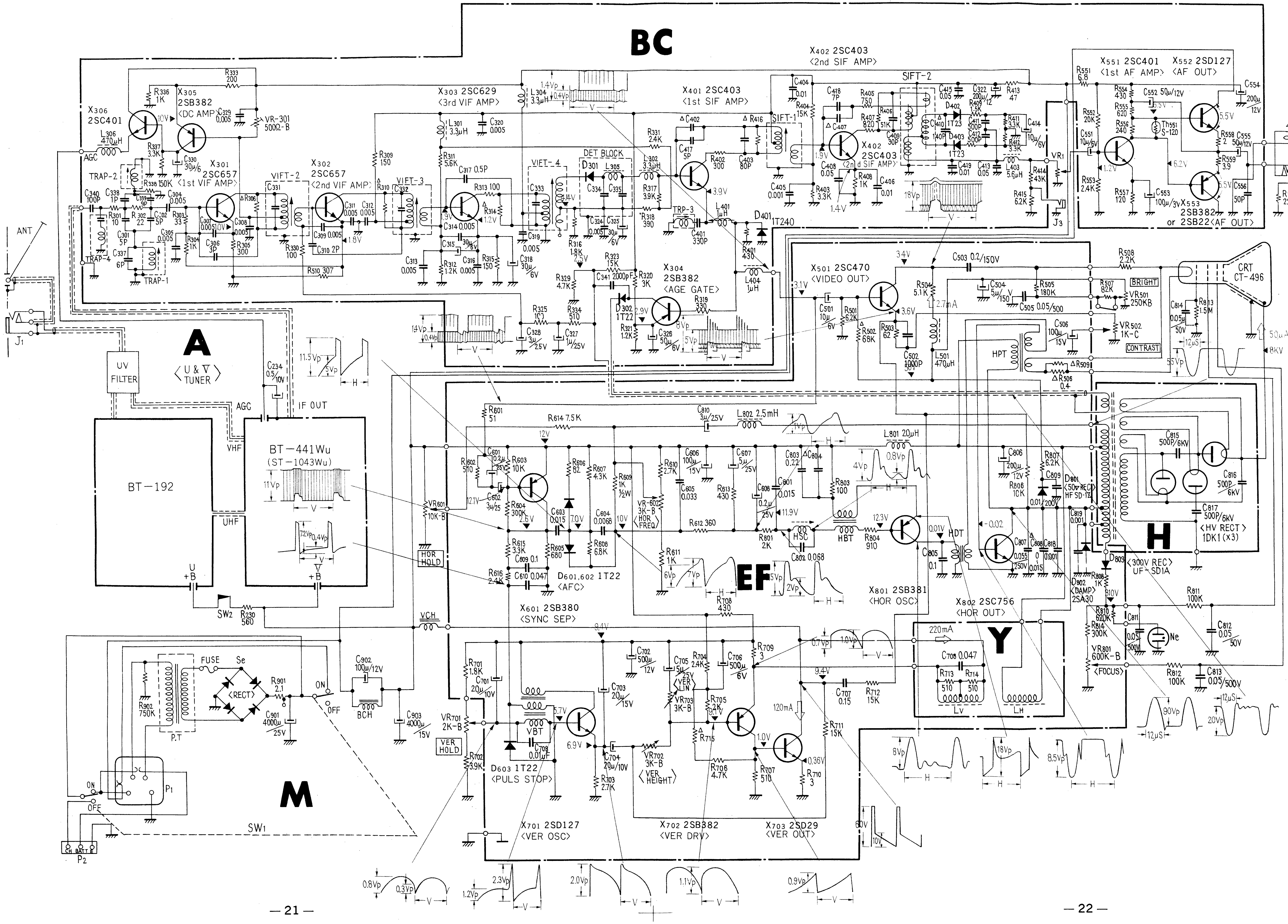
Mounting Diagram
Signal Circuit Board
—Conductor Side—


IF INPUT
BCH INPUT
1-538 609-11
To SP
-B
AF IN
To VR1 To J3
To Tuner AGC
KEYING PULSE INPUT
12V INPUT ⊕ ⊖
SONY

Mounting Diagram
Deflection Circuit Board
—Conductor Side—


To D. Yoke (Red)
To H.V. Block (Red)
H.V. Block (Orange)
To D.Yoke (Yellow)
To D.Yoke (Green)
To H.V. Block (Green)
GND
To P. Tube Socket (Orange)
To P. Tube Socket (Blue)
To H.V. Block
To D. Yoke (Green)
To H.V. Block (White)
3L-3 Terminal (Red)
To Discharge Lamp (Yellow)
To HOR. HOLD (Yellow)
To 12V Power
HOR HOLD
To VER HOLD VR
To GND
To Cont VR
To CONT VR
Signal Input
To 3L-3 terminal (White)
To Neam Lamp (Red)
To Discharge Lamp (Yellow)
To Discharge Lamp (Black)
BRT
SONY
1-538-610-11

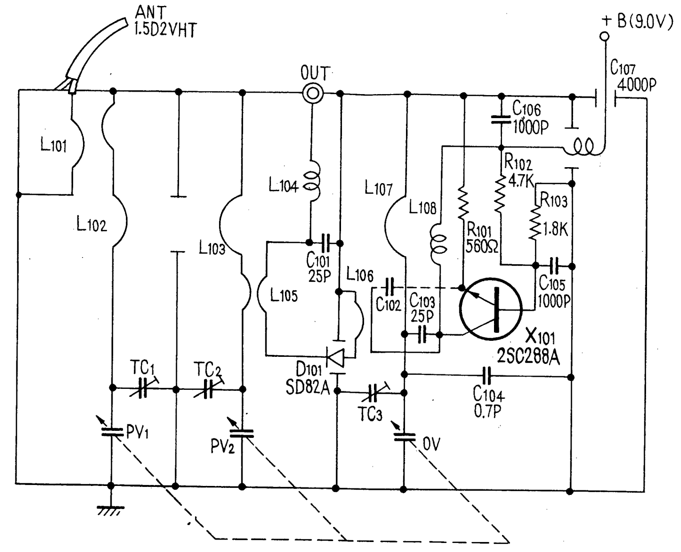
Circuit Schematic


BC
A
⟨U & V TUNER⟩
EF
H
Y
M
ANT
J1
AGC
UV FILTER
VHF
UHF
BT−192
BT−441Wu
(ST−1043Wu)
IF OUT
SW2
R230 560
VCH
X306 2SC401
X305 2SB382 ⟨DC AMP⟩
X301 2SC657 ⟨1st VIF AMP⟩
X302 2SC657 ⟨2nd VIF AMP⟩
X303 2SC629 ⟨3rd VIF AMP⟩
X304 2SB382 ⟨AGC GATE⟩
TRAP-1
TRAP-2
TRAP-4
VIFT-2
VIFT-3
VIFT-4
DET BLOCK
D301
TRP-3
D401 1T240
D302 1T22
VR-301 500Ω-B
X401 2SC403 ⟨1st SIF AMP⟩
X402 2SC403 ⟨2nd SIF AMP⟩
SIFT-1
SIFT-2
D402 1T23
D403 1T23
VR1
J3
X551 2SC401 ⟨1st AF AMP⟩
X552 2SD127 ⟨AF OUT⟩
X553 2SB382 or 2SB22 ⟨AF OUT⟩
Th551 S-120
SP 40Ω
J2
X501 2SC470 ⟨VIDEO OUT⟩
L501 470μH
L404 1μH
BRIGHT
VR501 250KB
VR502 1K-C
CONTRAST
CRT CT-496
HPT
8KV
50μA
X601 2SB380 ⟨SYNC SEP⟩
VR601 10K-B
HOR HOLD
D601.602 1T22 ⟨AFC⟩
VR-602 3K-B ⟨HOR FREQ⟩
HSC
HBT
X801 2SB381 ⟨HOR OSC⟩
X802 2SC756 ⟨HOR OUT⟩
HDT
L801 20μH
D801 ⟨50V REC⟩ HF SD-1Z
D802 ⟨DAMP⟩ 2SA30
D803 ⟨300V REC⟩ UF-SD1A
C815 500P/6KV
C816 500P/6KV
C817 500P/6KV
⟨HV RECT⟩ 1DK1 (x3)
Ne
VR801 600K-B ⟨FOCUS⟩
220mA
Lv
LH
FUSE
Se
⟨RECT⟩
P.T
R901 2.1
R902 750K
C901 4000μ 25V
C902 100μ/12V
C903 4000μ 15V
BCH
ON
OFF
P1
P2
CH BATT E
SW1
VR701 2K-B
VER HOLD
VBT
D603 1T22 ⟨PULS STOP⟩
VR702 3K-B ⟨VER HEIGHT⟩
VR703 3K-B ⟨VER LIN⟩
X701 2SD127 ⟨VER OSC⟩
X702 2SB382 ⟨VER DRV⟩
X703 2SD29 ⟨VER OUT⟩
120mA
0.8Vp
0.3Vp
1.2Vp
2.3Vp
2.0Vp
1.1Vp
0.9Vp
11.5Vp
11Vp
72Vp
0.4Vp
14Vp
18Vp
5Vp
8Vp
8.5Vp
90Vp
20Vp
12μS
V
H

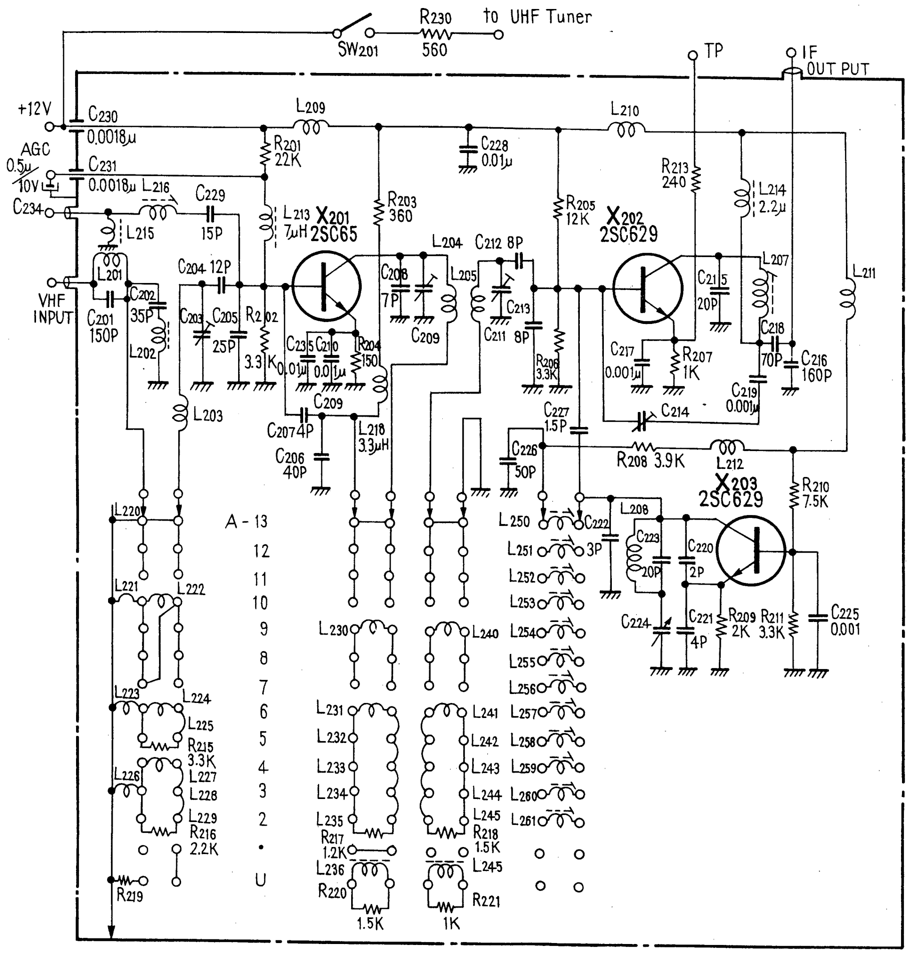
Circuit Schematic

-Tuner Section-

UHF


ANT
1.5D2VHT
OUT
+B(9.0V)
C107
4000P
C106
1000P
R102
4.7K
R103
1.8K
L101
L102
L103
L104
L105
L106
L107
L108
C101
25P
R101
560Ω
C105
1000P
C102
C103
25P
X101
2SC288A
D101
SD82A
TC1
TC2
TC3
C104
0.7P
PV1
PV2
OV

VHF


SW201
R230
560
to UHF Tuner
TP
IF
OUT PUT
+12V
C230
0.0018μ
AGC
0.5μ
10V
C231
0.0018μ
C234
L216
C229
15P
L215
L209
R201
22K
L213
7μH
X201
2SC65
R203
360
C228
0.01μ
L210
R213
240
L214
2.2μ
R205
12K
X202
2SC629
L211
VHF
INPUT
C201
150P
L201
C202
35P
L202
C203
C205
25P
C204 12P
R202
3.3K
C235
0.01μ
C210
0.01μ
R204
150
C208
7P
L204
L205
C212 8P
C213
C209
C211 8P
R206
3.3K
C215
20P
L207
C218
70P
C216
160P
C217
0.001μ
R207
1K
C219
0.001μ
C214
C227
1.5P
C207 4P
C206
40P
L218
3.3μH
L203
C226
50P
R208 3.9K
L212
X203
2SC629
R210
7.5K
L208
C222
3P
C223
20P
C220
2P
C224
C221
4P
R209
2K
R211
3.3K
C225
0.001
A-13
12
11
10
9
8
7
6
5
4
3
2
•
U
L220
L221
L222
L223
L224
L225
R215
3.3K
L226
L227
L228
L229
R216
2.2K
R219
L230
L231
L232
L233
L234
L235
R217
1.2K
L236
R220
1.5K
L240
L241
L242
L243
L244
L245
R218
1.5K
R221
1K
L250
L251
L252
L253
L254
L255
L256
L257
L258
L259
L260
L261

b-O Sept-1967

SONY CORPORATION

Printed in Japan

Betrieb mit der Batterie BP-12/563 (für TV-500UET)

Die Metallriegel an beiden Seiten des Batteriegehäuses werden herausgezogen und das Fernsehgerät aufgesetzt. Das Gleichstrom-kabel der Batterie wird in den Stromanschluß des Gerätes ge-steckt. Dann wird das Gerät eingeschaltet. Es arbeitet jetzt mit Batteriestrom.

Aufladen der Betterie:
Dazu wird der Ladeadapter (wird mit der Batterie mitgeliefert) in den Stromanschluß des Fernsehgerätes gesteckt. Das Netzstromkabel des Gerätes wird an einen der Adapteranschlusse angeschlossen und mit einer wechselstromsteckdose verbunden. Das Gleichstromkabel der Batterie wird ebenfalls an den Adapter angeschlossen. Der Ladeschalter ist nach unten auf 〔CHARGE〕 zu schieben.
Wenn das Gerät nun eingeschaltet wird, beginnt das Aufladen der Akku-Batterie. Nach je 2 Stunden Benutzung soll die Batterie zwölf Stunden lang aufgeladen werden.

- * Wenn nach häufigem Aufladen die Betriebszeit mit einer Batterieladung allmählich kürzer wird, so ist die Lebensdauer der Akku-Batterien erschöpft.

Funzionamento con BP-12/563 (per TV-500UET)

Tirate fuori le due chiavi metalliche che si trovano sul dosso del Pacco di pile. Procedete poi alla messa a posto sul medesimo Pacco del vostro apparecchio. Innestate il cavo di alimentazione di corrente continuata dalla pacco alla Presa di potenza in entrata dell'apparecchio. Mettete in marcia l'apparecchio, portando l'interruttore alla posizione marcata (ON) : ora, il vostro apparecchio ricevitore si trova pronto per funzionare con il Pacco di pile.

Ricarica:
Attaccate l'Adattatore-caricatore(fornito con il Pacco di pile) alla Presa di corrente di alimentazione del ricevitore. Innestate il cavo di alimentazione di corrente alternata ad una delle prese contatti dell'Adattatore. All'altra presa contatto del medesimo Adattatore viene innestato il cavo di alimentazione di corrente continuata dalla parte del Pacco di pile. Final-mente, collegate il cavo di alimentazione di corrente alternata a una presa di corrente di casa, mettete in marcia l'apparecchio e, allo stesso tempo, portate l'Interruttore di carica alla posizione inferiore marcata 〔CHARGE〕. Ricaricate le pile interne per dodici ore per ogni consumazione di due ore.

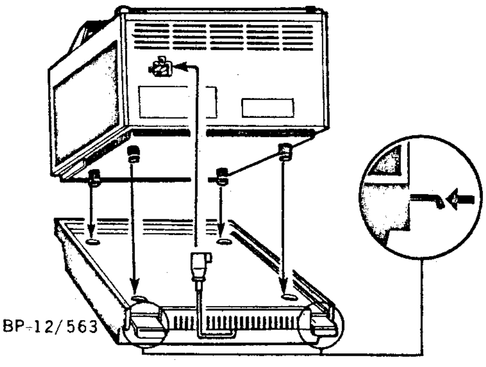
- * Se, dopo parecchie ricaricate, le pile non si ricaricano più, ne darà una evidenza immancabile l'effetto di scorcio sullo schermo.

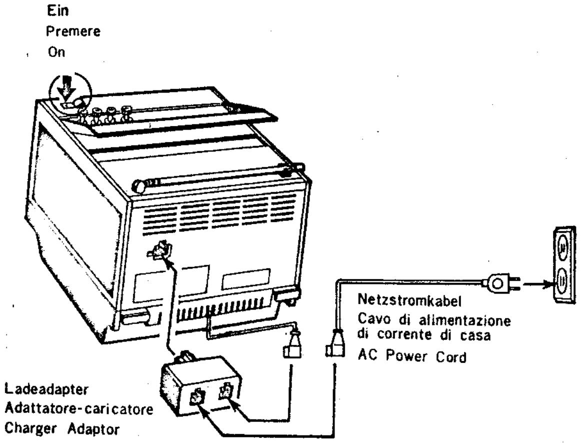
Operation on BP-12/563 (for TV-500UET)

Pull out the metal keys on both sides in the rear of the Battery Pack and place the set on it. Insert the DC power cord of the Battery Pack into the Power Socket of the set. Then turn the set ON, it will operate on the battery.

Recharging:
Attach the Charger Adaptor (supplied with the Battery Pack) to the Power Socket of the set. Connect the AC power cord to one of the outlets of the Adaptor and to the other connect the DC power cord of the Battery Pack. Then connect the AC power cord into an AC outlet, turn the set ON and set the Charging Switch to the down position 〔CHARGE〕. Recharge the internal batteries for 12 hours for every 2 hours of battery operation.

- * If after many charges, the batteries will not hold a charge, it is evidenced by a foreshortening of the TV Picture.





SONY CORPORATION
Printed in Japan

Complete Spare Parts List for TV-500U

August 15, 1967

General

Part No.	Description	Q'ty
1-463-001	UHF Tuner BT-192	1
98-0101-10	VHF Tuner BT-441WU	1
98-0101-20	Signal Circuit Board (BC) Completed	1
98-0101-30	Deflection Circuit Board (EF) completed	1
1-451-003	Deflection Yoke Ass'y	1
1-453-019	High Voltage Block Ass'y	1

A. Mechanical Parts

a. Cabinet and Appearance Block

X-40083-01	Front Cabinet Ass'y	1
* (X-40083-02	Upper Cabinet Ass'y	1
X-40083-03	Carrying Handle Ass'y	1
X-40083-04	Channnel Selecting Knob Ass'y	1
X-40083-05	UHF Selecting Knob Ass'y	1
X-40083-06	Volume Control Knob Ass'y	1
X-40083-07	Fine Tuning Knob Ass'y	1
X-40083-08	Dial Drum Ass'y	1
X-40083-09	Dial String Ass'y	1
X-40083-10	Handle Mechanism Ass'y	1
X-40083-11	Side Panel Ass'y (right)	1
X-40083-12	Side Panel Ass'y (left)	1
X-40083-17	Side Panel Sub Ass'y (left)	1
X-40083-13	Video IF Shield Case Ass'y	1
X-40083-18	Front Stand Ass'y	1
X-40083-19	Upper Ornamental Disk Ass'y	1
4-008-321	Cushion Actuator Plate	1
-303	Upper Cabinet	1
-330	Picture Tube Protector	1
-331	Dial Cover	1
-332	Picture Tube Mt'g Ring	1
-333	Picture Tube Mt'g Bracket	4
-334	Speaker Net	1
-336	Name Plate	1
-337	Foot	4
-340	Screw, special	1
-343	Tuner Mounting Bracket	1
-344	UHF Dial, scale plate	1
-345	Dial Pointer	1

*For the up to Set Serial No. 16500

Part No.	Description	Q'ty
4-008-346	Variable Resistor Mt'g Bracket	1
-347	Chassis, power supply section	1
-348	Clamp, electric capacitor	1
-349	Control Knob	4
-351	Main Chassis	1
-352	Variable Resistor Mt'g Bracket	1
-353	Heat Shield Plate	1
-355	Heat Sink for Horizontal Power Transistor	1
-356	Heat Sink for Vertical Power Transistor	1
-357	EF Printed Circuit Board Mt'g Bracket	2
-358	Collar, tuner shaft	1
-359	Bracket, pilot lamp	1
-360	Video IF Shield Case	1
-361	Heat Sink for TO-1	1
-371	Short Plate	1
-377	Spacer 3 Pole Connector	1
-374	Volume Knob Spacer	1
-373	UHF Knob Spacer	1
-379	Short, foil	2
-380	Antenna Terminal Mt'g Bracket	1
-382	Pulley	4
4-003-220	Picture Tube Ground Spring	1
4-005-359	Cord Clamp	1
-615	Insulating Tube for 1-1 Pole Terminal	1
4-006-255	Terminal Pin	30
4-007-043	Sound IF Shield Case (Parts Side)	1
-044	Sound IF Shield Case (Print Side)	1
-045	Heat Sink for Transistor X262	1
-051	Insulating Fiber for Sound IF Shield	1
3-804-510	Speaker Mt'g Spring	2
4-405-094	Switch 14%	1
-095	Nut 14%	1

b. Carton & Accessories

4-495-157-11	Instruction Manual	1
	Qustionnaire	1
X-40083-15	Warranty Card Ass'y	1
X-40083-14	Card Ass'y	1
X-40058-58	Accessory Ass'y	1
3-813-651	Colored Label	3
X-44900-03	Polishing Cloth in Polyethylene Bag	1
Y-44017-31	External Antenna Connector EAC-6 Complete	1

Part No.	Description	Q'ty
4-008-364	Caution Lable ------------------------------------	1
	IMB Card --	1
4-002-839	IBM Card Envelope --------------------------------	1
4-005-537	High Voltage Caution Lable ------------------------	1
4-008-365	Packing Carton ------------------------------------	1
-367	Cushion A foamed polystylene -------------------	1
-368	" B " " -------------------	1
-378	Master Carton 2 sets --------------------------	1/2
-369	Polyethylene Bag Cabinet ----------------------	1
4-004-143	Serial Number Label ------------------------	1

c. Screws, Nut & Washers

7-621-255-22	Screw Phill	P 2 x 4; Separator Mt'g ------------	2
-259-48	"	P 2.6 x 6; Side Panel Mt'g ----------	8
-261-35	"	P 3 x 5; Pilot Lamp ---------------	1
-261-35	"	P 3 x 5; Rod Antenna --------------	2
-261-45	"	P 3 x 6; Cushion Actuator Plate -----	1
-261-45	"	P 3 x 6; Actuator Guide -----------	2
-261-45	"	P 3 x 6; Front Cabinet -------------	8
-261-69	"	P 3 x 10; Upper Cabinet -----------	2
-261-72	"	P 3 x 12; EF Printed Circuit Board --	4
-261-72	"	P 3 x 12; Tuner Mt'g with Collar ----	1
-261-65	"	P 3 x 10; Vertical Output Choke Coil Mt'g ---------------	1
-261-79	"	P 3 x 12; Upper Cabinet Mt'g --------	2
-261-95	"	P 3 x 15; Foot Mt'g ----------------	4
-261-95	"	P 3 x 15; Tuner Mt'g ---------------	2
-262-15	"	P 3 x 18; Selenium Rectifier Mt'g ----	1
-262-25	"	P 3 x 20; AC Connector Mt'g --------	2
-262-75	"	P 3 x 35; Picture Tube Ring Binding --	1
-262-85	"	P 3 x 49; Resistor R901 -------------	1
-268-45	"	P 4 x 6; Picture Tube Mt'g -----------	2
-561-45	"	K 3 x 6; Carrying Handle ------------	2
-561-45	"	K 3 x 6; Upper Cabinet Mt'g ---------	1
-561-69	"	K 3 x 10; Antenna Terminal Mt'g Bracket -----------------	1
-722-33	Tapping Screw Phill	BV 3 x 5; Vertical Output Choke Coil Mt'g ----	2
-722-33	"	BV 3 x 5; 3L-3 Pole Terminal -	1
-722-48	"	BV 3 x 6; Filter Choke Coil for Power Supply -----------	2
-722-48	"	BV 3 x 6; 1-1 Pole Terminal --	1

Part No.	Description	Q'ty
7-621-722-48	Tapping Screw Phill BV 3 x 6; Main Chassis	2
-722-48	" BV 3 x 6; High Voltage Block Mt'g	1
-722-48	" BV 3 x 6; Speaker Mt'g	2
-722-48	" BV 3 x 6; Lug Washer on Upper Cabinet	1
-722-48	" BV 3 x 6; BC Printed Circuit Board	3
-722-41	" R 3 x 6; Picture Tube Protector Mt'g	4
-722-63	" BV 3 x 10; Picture Tube Mt'g	4
-721-87	" K 2.6 x 8; Dial Cover	1
7-622-108-01	Hex Nut 3ϕ; Picture Tube Binding	1
-108-01	" 3ϕ; EF Printed Circuit Board	4
7-623-108-12	Washer 3ϕ; Filter Choke Coil for Power Supply	2
-108-12	" 3ϕ; 3L-3 Pole Lug	1
-108-12	" 3ϕ; 1-1 Pole Lug Mt'g	1
-113-27	" 6ϕ; 0.4t (large); antenna jack	1
-208-22	Spring Washer 3ϕ; Rod Antenna	2
7-623-210-22	" 4ϕ; Picture Tube Mt'g	2
-210-22	" 4ϕ; Front Foot Mt'g	1
-408-01	Ext Teeth Washer 3ϕ; Heat Sink for Vertical Power Transistor	2
-408-01	" 3ϕ; Lug Washer	2
-408-01	" 3ϕ; Selenium Rectifier Mt'g	1
-408-01	" 3ϕ; BC Printed Circuit Board (Lug)	1
-408-01	" 3ϕ; Heat Sink for Horizontal Power Transistor	4
-408-01	" 3ϕ; Heat Sink for Vertical Power Transistor	1
-508-01	Lug Washer 3ϕ; Main Chassis & Power Supply Chassis	2
-508-01	" 3ϕ; Upper Cabinet	1
-508-01	" 3ϕ; BC Printed Circuit Board (Lug)	1
7-624-108-01	E Type Retainer E-4; Handles Mechanism	2
7-628-251-25	Spring Washer 3ϕ; Volume Control Mt'g Bracket	4
-251-25	" 3ϕ; Handles Mechanism Mt'g Bracket	4
-251-25	" 3ϕ; Antenna Terminal Mt'g Bracket	1
-251-25	" 3ϕ; Capacitors Clamp Mt'g	2
-251-25	" 3ϕ; Heat Shield Mt'g	2
-251-25	" 3ϕ; 3 Pole Connector Mt'g	2
-251-25	" 3ϕ; Power Switch Mt'g	2

Part No.	Description	Q'ty
7-628-251-25	Spring Washer 3ϕ; EF Printed Circuit Board Mt'g	6
-251-25	" 3ϕ; UHF Dial Scale Mt'g	2

B. Electrical Parts

1. Semi-conductors

a. Signal Circuit Board (BC) Block

Part No.	Description			Q'ty
	Transistor	2SC657,	X301, 302	2
		2SC629,	X303	1
		2SB382,	X304, 305	2
		2SC401,	X306	1
		2SC403,	X401, 402	2
		2SD127,	X552	1
		2SB382,	X553	1
		2SC401,	X551	1
	Diode	1T261	D301	1
		1T22	D302	1
		1T23	D402, 403	2
		1T240	D401	1
8-691-001-	Thermistor	CS-120	Th-551	1

b. Deflection Circuit Board (EF) Block

Part No.	Description			Q'ty
	Transistor	2SC470,	X501	1
		2SB380,	X601	1
		2SD127,	X701	1
		2SB382,	X702	1
		2SD29,	X703	1
		2SB381,	X801	1
		2SC756,	X802	1
	Diode	1T22	D601, 602	2
		S2A30	D802	1
		HF-SDIZ	D801	1
		UF-SDIA	D803	1
		1T-22A	D603	1

2. Coils & Transformer

a. Signal Circuit Board (BC) Block

Part No.	Description	Q'ty
1-403-486	Video IF Transformer, VIFT-2	1

Part No.	Description	Q'ty
1-403-487	Video IF Transformer, VIFT-3	1
-488	" , VIFT-4	1
-485	Video Detector Block, DET	1
-313	Sound IF Transformer, SIFT-2	1
-316	" , SIFT-1	1
1-409-114	Video IF Trap Coil, Trap-4	1
-036	Sound IF Trap Coil, Trap -3	1
-067	Video IF Trap Coil, Trap-2	1
-090	" " " " , Trap-1	1
1-407-133	RF Choke Coil 1uH L404	1
-177	Micro Inductor 470uH L306	1
-178	Micro Inductor 1uH L401	1
-184	Micro Inductor 3.3uH L301, 302, 304	3
-187	Micro Inductor 5.6uH L403	1

b. Deflection Circuit Board (EF) Block

Part No.	Description	Q'ty
1-407-083	Micro Indutor 2.5mH L802	1
-177 -052	" 470uH L501	1
1-421-013	RF Filter Inductor 20uH L801	1
1-413-012	Horizontal Ringing Coil, HSC	1
1-425-348	Horizontal Pulse Trans, HPT	1
1-435-008	Vertical Blocking OSC Trans, VBT	1
-016	Horizontal OSC Trans, HBT	1
1-437-004	Horizontal Drive Trans, HDT	1

c. Main Block

Part No.	Description	Q'ty
1-421-150	Filter Choke for Power Rectifier, BCH	1
-201	Vertical Output Choke Coil, VCH	1
1-441-316	Power Transformer	1

3. Electrical Parts

a. Signal Circuit Board (BC) Block

Part No.	Description	Q'ty
1-538-609	Printed Circuit Board	1
1-221-463	Resistor, adjustable B-500 ohms VR301	1

b. Deflection Circuit Board (EF) Block

Part No.	Description	Q'ty
1-538-610	Printed Circuit Board	1

Part No.	Description	Q'ty
1-221-475	Adjustable Carbon Resistor 5K-B VR602	1
-871	" " " 3K-B VR702, 703	2
-872	" " " 600K-B VR801	1
1-506-108	SV - Pin	7
1-526-075	Picture Tube Socket	1

c. Main Block

1-221-276	Variable Resistor T-5K ohms VR-1	1
-297	" " B-10K " VR601	1
-403	" " B-2K " VR701	1
-429	" " B-250K " VR501	1
-709	" " B-1K " VR502	1
1-501-087	Rod Antenna Completed	1
1-502-169	Speaker	1
1-507-075	Earphone Jack	1
-166	Antenna Jack	1
-901	Nut for Jack	3
1-508-155	3 Pole Connector	1
-156	Power Plug with Switch	1
1-513-346	Seesaw Switch	1
1-519-007	Neon Lamp	1
1-531-106	Selenium Rectifier	1
1-532-039	Fuse	1
1-536-107	1-1 Pole Lug Terminal Board	1
-154	3L3 Lug Terminal Board	1
X-40047-58	Neon Lamp Ass'y	1
X-40033-09	E Terminal with Lead Wire	1
8-731-105	Picture Tube	1

4. Resistors

a. Signal Circuit Board (BC) Block

1-242-615	Resistor, carbon RD1/4UR 3.9 ohms R559	1
-621	" " " 6.8 " R551	1
-625	" " " 10 " R301	1
-637	" " " 33 " R303	1
-641	" " 47 " R413	1
-633	" " " 22 " R302	1
-649	" " " 100 " R313, 325, 330	3
-651	" " " 120 " R557	1
-653	" " " 150 " R309, 315	2

Part No.	Description	Q'ty
1-242-656	Resistor, carbon RD1/4UR 200 ohms R333, 402 ---	2
-658	" " " 240 " R556 --------	1
-660	" " " 300 " R305, 402----	2
-661	" " " 330 " R319 --------	1
-664	" " " 430 " R401, 554 ---	2
-666	" " " 510 " R334, 307 ---	2
-668	" " " 620 " R555, -------	1
-671	" " " 820 " R407 --------	1
-673	" " " 1K " R304, 336, 408	3
-675	" " " 1.2K " R321, 312, 410	3
-677	" " " 1.5K " R409 --------	1
-679	" " " 1.8K " R316 --------	1
-682	" " " 2.4K " R331, 553 ---	2
-684	" " " 3K " R320 --------	1
-685	" " " 3.3K " R337, 403, 411, 412 ----	4
-687	" " " 3.9K " R317 --------	1
-689	" " " 4.7K " R329 --------	1
-691	" " " 5.6K " R311 --------	1
-701	" " " 15K " R323, 404 ---	2
-704	" " " 20K " R552 --------	1
-712	" " " 43K " R414 --------	1
-714	" " " 51K " R406 --------	1
-692	" " " 6.2K " R415 --------	1
1-244-670	" " RD1/4SR 750 " R405 --------	1
1-207-014	Resistor, wire wound RW1/4RL 2 " R558 --------	1
1-202-113	Resistor, compositon RC1/8L 150K " R338 --------	1
1-203-451	Resistor, carbon RD1/16L 3K " R306, 310 ---	2/13
-194	" " " 3.3K " R306, 310 ---	2/13
-892	" " " 3.6K " R306, 310 ---	2/13
-497	" " " 3.9K " R306, 310 ---	2/13
-698	" " " 4.3K " R306, 310 ---	2/13
-185	" " " 4.7K " R306, 310 ---	2/13
-183	" " " 1.5K " R306, 310 ---	2/13
-184	" " " 2.2K " R306, 310 ---	2/13
-460	" " " 2.7K " R306, 310 ---	2/13
-853	" " " 1.2K " R306, 310 ---	2/13
1-204-070	" " " 2.4K " R306, 310 ---	2/13
-195	" " " 2.0K " R306, 310 ---	2/13
-535	" " " 1.8K " R306, 310 ---	2/13
-186	" " " 5.6K " R314 --------	1/13
-187	" " " 6.8K " R314 --------	1/13
-188	" " " 7.5K " R314 --------	1/13
-189	" " " 8.2K " R314 --------	1/13
1-204-191	" " " 9.1K " R314 --------	1/13
1-203-190	" " " 10K " R314 --------	1/13

Part No.	Description	Q'ty
1-203-191	Resistor, carbon RD1/16L 12K ohms R314 ----------	1/13
-192	" " " 15K " R314 ----------	1/13
-891	" " " 22K " R314 ----------	1/13
-428	" " " 27K " R314 ----------	1/13
1-209-045	" " " 39K " R314 ----------	1/13
1-204-192	" " " 47K " R314 ----------	1/13
-015	" " " 56K " R314 ----------	1/13

b. Deflection Circuit Board (EF) Block

1-207-018	Resistor, wire wound RW1/4RL 3 ohms R709, 710 ---	2
1-242-642	" carbon RD1/4UR 51ohms R601 -----------	1
-644	" " " 62 " R503 -----------	1
-647	" " " 82 " R606 -----------	1
-649	" " " 100 " R803 -----------	1
-662	" " " 360 " R612 -----------	1
-664	" " " 430 " R613, 708 ------	2
-666	" " " 510 " R602, 707 ------	2
-669	" " " 680 " R605 -----------	1
-673	" " " 1K " R611, 808 ------	2
-680	" " " 2K " R705, 801 ------	2
-682	" " " 2.4K " R616, --- ------	1
-683	" " " 2.7K " R610, 703 ------	2
-685	" " " 3.3K " R615 -----------	1
-688	" " " 4.3K " R607 -----------	1
-679	" " " 1.8K " R701 -----------	1
-689	" " " 4.7K " R706 -----------	1
-690	" " " 5.1K " R504 -----------	1
-692	" " " 6.2K " R501, 807 -------	2
-693	" " " 6.8K " R608 -----------	1
-694	" " " 7.5K " R614 -----------	1
-697	" " " 10K " R603, 806 ------	2
-701	" " " 15K " R711, 712 ------	2
-727	" " " 180K " R505 -----------	1
-732	" " " 300K " R604 -----------	1
-740	" " " 620K " R810 -----------	1
-672	" " " 910 " R804 -----------	1
1-203-032	" " RL1/2L 1K " R609 -----------	1
1-207-223	Resistor, wire wound 1/4L 0.33 ohms R506 ----------	1/4
-224	" " " " 0.39 " R506 ----------	1/4
-225	" " " " 0.47 " R506 ----------	1/4
-064	" " " " 0.62 " R506 ----------	1/4

Part No.	Description	Q'ty
1-242-651	Resistor, carbon RD1/4UR 120 ohms R715 -----	1/9
-658	" " " 240 " R715 -----	1/9
-662	" " " 360 " R715 ------	1/9
-666	" " " 510 " R715 -----	1/9
-669	" " " 680 " R715 -----	1/9
-671	" " " 820 " R715 -----	1/9
-673	" " " 1K " R715 -----	1/9
-675	" " " 1.5K " R715 -----	1/9
-677	" " " 1.5K " R715 -----	1/3
-716	" " " 62K " R502 -----	1/3
-717	" " " 68K " R502 -----	1/3
-718	" " " 75K " R502 -----	1/3
-732	" " " 300K " R814 -----	1
1-207-086	Resistor, wire wound RW1/2RL 2 " R509 -----	1/10
-087	" " " " R509 -----	1/10

c. Main Block

1-201-676	Composition Resistor RC1/2L 750K ohms R902 --	1
1-202-431	" " RC1/4 100K " R811, 812 ---	2
-649	" " RC1/2 1.5M ohms R813 ----	1
1-207-208	Wire Resistor R901 ---	1
1-244-687	Carbon Resistor RD1/4SR 3.9K ohms R702 ----	1
1-203-018	" " RD1/4L 220 ohms R560 --------	1

5. Capacitors

a. Signal Circuit Board (BC) Block

1-101-837	Capacitor, ceramic 0.5PF 50WV C317 ---------	1
-951	" " 1pF " C338, 402 ----	2
-952	" " 2pF " C310 ---------	1
-953	" " 3PF " C306 ---------	1
-955	" " 5PF " C301, 302, 417	3
-956	" " 6PF " C337 ---------	1
-957	" " 7PF " C418 ---------	1
-860	" " 9PF " C339 ---------	1
-115	" " 30PF " C409 ---------	1
-312	" " 50PF 75WV C556 --------	1
-113	" " 80PF 50WV C403 ---------	1
-963	" " 100PF " C340 ---------	1
-571	" " 140PF " C410 ---------	1
-423	" " 500PF 75WV C411, 412 ----	2

Part No.	Description				Q'ty
1-101-003	Capacitor, ceramic	0.005uF	50WV	C304, 305, 307, 308, 309, 311, 312, 313, 314, 316, 319, 320, 324, 329 ----	14
-001	'' ''	0.001uF	''	C405 ---------	1
-007	'' ''	0.05uF	''	C408, 413, 415	3
-004	'' ''	0.01uF	''	C404, 406, 419	3
-002	'' ''	2000PF	''	C341 ---------	1
1-103-663	Capacitor, polystyrene	330PF		C401 ---------	1
1-101-951	Capacitor, ceramic	1PF	50WV	C407 ---------	1/5
-952	'' ''	2PF	''	C407 ---------	1/5
-953	'' ''	3PF	''	C407 ---------	1/5
-954	'' ''	4PF	''	C407 ---------	1/5
-955	'' ''	5PF	''	C407 ---------	1/5
1-121-230	Capacitor, electrolytic	1uF	25WV	C327 ---------	1
-232	'' ''	3uF	''	C328 ---------	1
-104	'' ''	10uF	6WV	C414, 551 ----	2
-102	'' ''	30uF	''	C315, 318, 325, 330 ----------	4
-135	'' ''	50uF	''	C326 ----------	1
-111	'' ''	100uF	3WV	C553 ----------	1
-121	'' ''	200uF	12WV	C322, 554 -----	2
-122	'' ''	50uF	''	C552, 555 -----	2

b. Deflection Circuit Board (EF) Block

Part No.	Description				Q'ty
1-101-845	Capacitor, ceramic	1000PF	500WV	C818, 819 -----	2
1-105-671	'' mylar	0.0068u	50WV	C604 ----------	1
-661	'' ''	0.001uF	''	C502 ----------	1
-683	'' ''	0.068uF	''	C802 ----------	1
-292	'' ''	0.055uF	250WV	C807 ----------	1
-681	'' ''	0.047uF	50WV	C610 ----------	1
-679	'' ''	0.033uF	''	C605 ----------	1
-753	'' ''	0.01uF	200WV	C809 ----------	1
-675	'' ''	0.015uF	50WV	C603, 801 -----	2
-689	'' ''	0.22uF	''	C803 ----------	1
-687	'' ''	0.15uF	''	C707 ----------	1
-685	'' ''	0.1uF	''	C805, 609 -----	2
-274	Capacitor, mylar block	0.015uF	''	C808 ----------	1
-041	'' ''	0.01uF	50WV	C708 ----------	1
1-113-122	Capacitor, paper	0.05uF	500WV	C505 ----------	1
-124	'' ''	0.2uF	150WV	C503 ----------	1
1-127-091	Capacitor, electrolytic	0.2uF	25WV	C601, 608 -----	2

Part No.	Description	Q'ty
1-121-241	Capacitor, electrolytic 3uF 25WV C602	1
-232	" " 3uF " C810	1
-233	" " 5uF " C607, 705	2
-246	" " 5uF 150WV C504	1
-104	" " 10uF 6WV C501	1
-249	" " 20uF 10WV C701, 704	2
1-131-088	" " 22uF 15WV C703	1
1-121-220	" " 200uF 12WV C806	1
-342	" " 500uF 6WV C706	1
-084	" " 500uF 12WV C702	1
1-105-683	Capacitor, mylar 0.068uF 50WV C804	1/4
-685	" " 0.1uF " C804	1/4
-687	" " 0.15uF " C804	1/4
-689	" " 0.22uF " C804	1/4

c. Main Block

1-113-122	PS Capacitor 0.05uF 500WV C811, 812, 813, 814	4
1-119-106	Electrolytic Capacitor 100uF 15WV C902	1
1-121-023	" " 4000uF " C903	1
-500	" " 4000uF 25WV C901	1